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ABSTRACT

This report presents data, collected from 3,532 institutions of higher education within the 50 states and the District of Columbia, concerning the number of degrees conferred by these accredited institutions over the 10-year period from 1980-81 to 1989-90. Primary data sources were the Higher Education General Information Survey (HEGIS) for 1980-81 through 1984-85 and the Integrated Postsecondary Education Data System (IPEDS) for 1986-87 through 1989-90. Tables of data, comprising 85 percent of the report, list the following information: (1) numbers and percentages of degrees conferred by level of degree and sex without regard to race/ethnicity; (2) numbers and percentages of degrees conferred by level of degree and race/ethnicity without regard to sex; (3) numbers of degrees conferred and average annual percentage change by level of degree and field of study without regard to sex or race/ethnicity; (4) numbers of degrees conferred by sex, race/ethnicity, and field of study. In addition, individual tables present the same type of data specific to each level of degree (i.e., associate's, bachelor's, master's, doctor's, and first professional). The appendix provides the total number of associate's, bachelor's, master's, and doctor's degrees conferred in 1989-90, by detailed program specialty and summarized to the discipline division. (GLR)

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Race/Ethnicity Trends in Degrees Conferred by Institutions of Higher Education: 1980–81 through 1989–90

Frank B. Morgan
Postsecondary Education Statistics Division

U.S. Department of Education
Office of Educational Research and Improvement NCES 92-039

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May 1992

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Introduction

This report presents data on degrees conferred by the nation's accredited higher education institutions over the 10-year period from 1980-81 to 1989-90. The data are from the Integrated Postsecondary Education Data System (IPEDS) 1986-87 through 1989-90 Completions and 1990 Consolidated surveys; and the Higher Education General Information Survey (HEGIS), 1980-81 through 1984-85, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education." These surveys collected information on degrees conferred by level of award (associate's, bachelor's, master's, doctor's, first-professional), race/ethnicity and sex of recipients, and major field of study.

This report is one of a series of E.D. TABS published by the National Center for Education Statistics (NCES) designed primarily to make data available to the public with minimal analysis. It presents information on institutions of higher education, which are accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education. This E.D. TABS is also available on an electronic bulletin board operated by the Office of Educational Research and Improvement. For modem access, call 1-800-222-4922 or (202) 219-2011; for technical questions, call (202) 219-1547.

Highlights

- The share of degrees awarded to women at each degree level has shown steady growth throughout the period of this report. Since 1984-85, women have accounted for over half of the awards at each degree level through master's, with their highest share always at the associate level (table 1).

- Except for first-professional degrees to men, the number of degrees awarded to both men and women at every level increased from 1988-89 to 1989-90. The number of men receiving first-professional degrees in 1989-90 declined 2.7 percent from 1988-89 to 43,819, continuing a decline over the entire period of this report (table 1).

- Associate's degrees increased 3.9 percent between 1988-89 and 1989-90 (from 432,144 to 448,997). Most of the increase was accounted for by women (table 1).

- The number of bachelor's degrees awarded to black, non-Hispanics in 1989-90 has increased slightly since 1980-81, following a mild decline in the mid-1980s. However, over the same period, blacks received a decreasing share of the bachelor's degrees awarded to minorities — down from 48 percent in 1980-81 to a 37 percent share in 1989-90 (table 2 and figures 1, 2, and 3).

- The number of master's and doctor's degrees awarded to non-resident aliens over the period of this report has steadily increased and has remained larger than any racial/ethnic category, excluding white, non-Hispanics. For 1989-90, non-resident aliens accounted for 11 and 23 percent respectively of total master's and doctor's degrees awarded (table 2).

- For each of the five years in this report, the most prevalent fields of study among bachelor's degree recipients have remained Business and management, Social sciences, Education, Engineering and related technologies, and Health professions. (table 3).

Figure 1. Bachelor's degrees awarded to minorities, 1980-81 through 1989-90

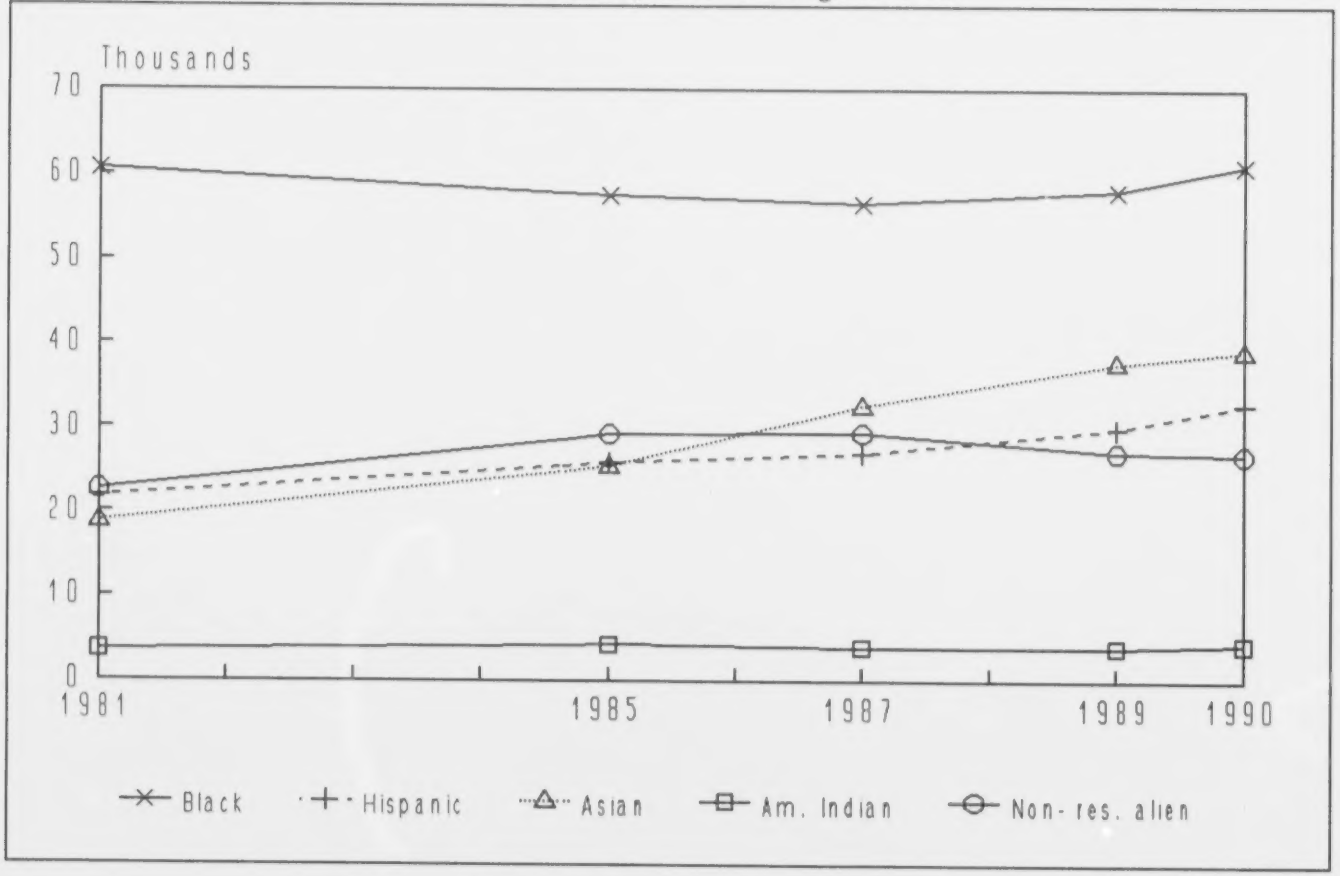


Figure 2.--Bachelor's degrees awarded by racial/ethnic category, 1980-81

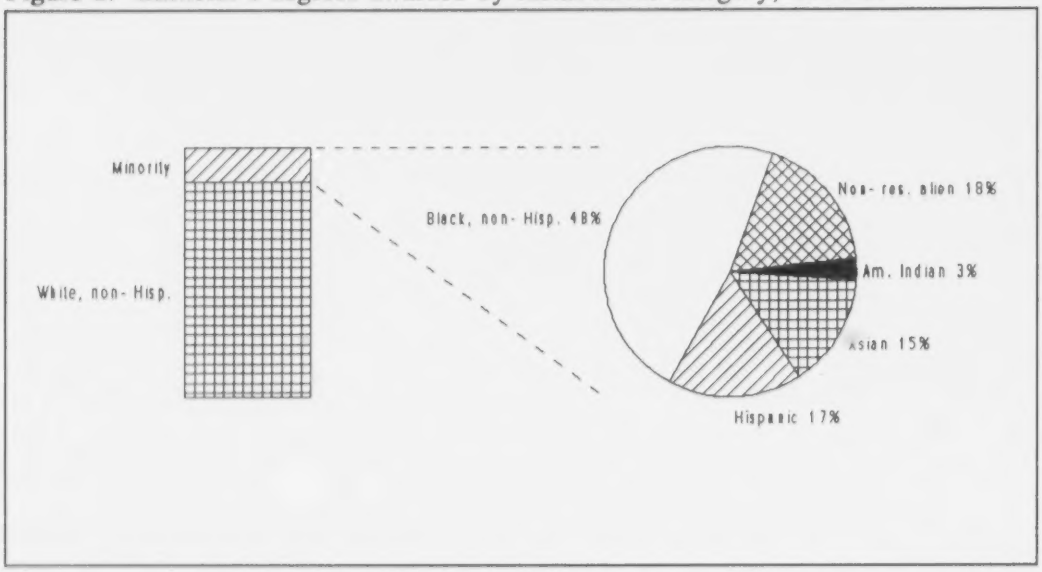
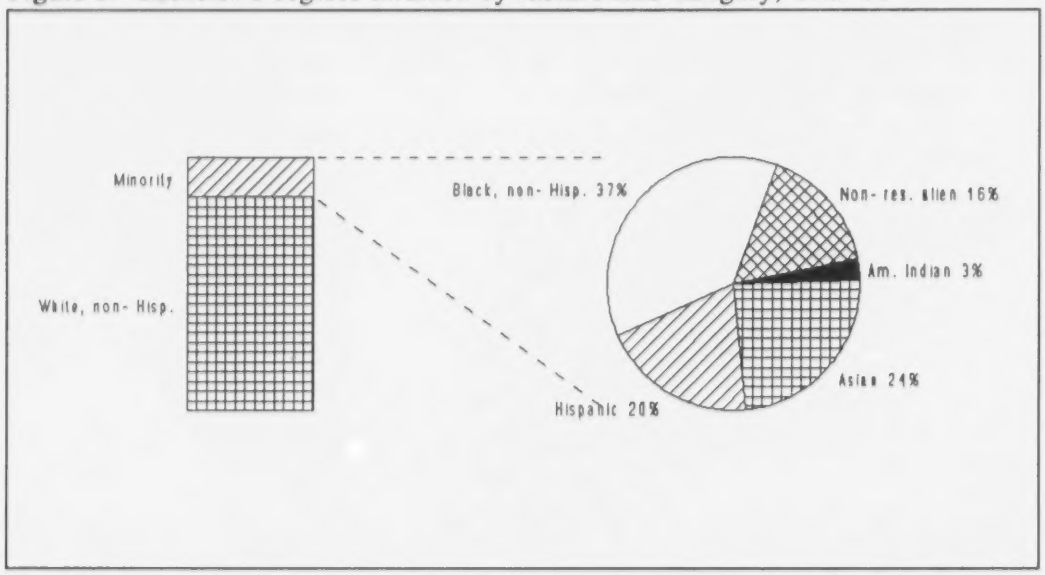


Figure 3.--Bachelor's degrees awarded by racial/ethnic category, 1989-90



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Survey Methodology

Data Sources

The primary sources for this publication were "Degrees and Other Formal Awards Conferred in Institutions of Higher Education," a component of HEGIS, for academic years through 1984-85, and "Completions," a component of IPEDS, for subsequent years. These two surveys had nearly identical structures concerning data collected, the primary difference being the range of institutions surveyed. HEGIS surveys were restricted to institutions of higher education which are accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education, while IPEDS coverage has been expanded to include all postsecondary institutions. Since this report is limited to institutions of higher education, the two surveys may be considered identical. For academic year 1989-90, an additional IPEDS survey, "Consolidated Survey," (CN) collected completions data along with enrollment, finances, and academic libraries. While the portion of this form dealing with completions differs from the Completions survey, it was designed to result in compatible information, and 30 institutions receiving the CN form are included in this report.

Prior to the 1989-90 survey, racial/ethnic data were collected biennially. For this reason, the years presented in this report are not consecutive. In addition, data for 1982-83 were not available.

In HEGIS surveys before 1984-85, data on the number of associate degrees awarded by the racial/ethnic categories of the degree recipients were not collected separately for each discipline division. Also, associate degrees were combined with certificates below the baccalaureate level in those early surveys. Therefore, it is not possible to present data on associate degrees awarded by field or racial/ethnic category for 1980-81 in this report.

Discipline divisions (fields of study) are specified in the Classification of Instructional Programs (CIP) categories which was developed by NCES and is the federally accepted standard for collecting, reporting, and interpreting education program data. Beginning with the 1982-83 survey of earned degrees, the CIP has been used for classifying degree fields. Data for 1980-81 were collected under a different classification system but were converted to the CIP format to allow consistent presentation for the period of this report.

Scope

The Completions 1989-90 survey was mailed to 3,932 institutions including: 3,620 accredited institutions (i.e., those accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education); plus 312 schools that do not have recognized accreditation but do award bachelor's, master's, doctor's or first-professional degree. The C1 survey form was mailed to 2,506 schools offering at least a baccalaureate degree, and the C2 survey form was sent to 1,426 schools offering a degree or certificate requiring less than four years. In addition, the CN survey form was mailed to 2,998 postsecondary schools offering degrees or awards ranging from less than one year to post-master's certificates.

Data included in this report, a subset of the above counts, are for the 3,532 institutions of higher education, located within the 50 states and the District of Columbia only. These institutions have been accredited at the college level by an agency recognized by the Secretary, U.S. Department of Education. Formerly known as HEGIS institutions, they were surveyed on a census basis, and their response rate has historically remained high. Their overall response rate for 1989-90 was 92.3 percent.

Editing

During editing, all forms were checked for CIP code validity and addition errors. Total lines were generated and compared to the reported totals for each 2-digit discipline division. Any difference which appeared to be larger than a simple arithmetic error were referred to the institution in an attempt to resolve the discrepancy. Other differences were resolved by replacing the reported total with the generated total and setting a corresponding imputation flag.

The data for each institution were also checked for consistency with its prior year's response, when available. The institution was contacted for verification when data appeared inconsistent.

The overall response rate was calculated as the ratio of the number of completed survey forms divided by the number of in-scope schools (i.e., the number mailed minus the number determined to be out-of-scope). Any institution was considered a respondent if it supplied total awards by sex.

Imputations

Two stages of imputations had to be performed for the higher education data contained in this report. The first stage concerned total nonrespondents to the 1989-90 survey (7.7 percent of the institutions.) In those cases where data from the institution's previous years' survey response were available, these data were used; an indicator flag on the data file identifies schools imputed by this procedure. As a result, only four institutions were left without any information. Two of these were 4-year institutions, one private nonprofit and one private for-profit. Another was a public 2-year institution, and the final was a private for-profit less than 2-year institution.

The second stage of imputation dealt with item nonresponse. In particular, some institutions were not able to completely report the race/ethnicity of award recipients. In these cases, the unreported racial/ethnic counts (computed as the difference between the reported total and the sum of reported racial/ethnic categories) were proportionately distributed among the known U.S. totals of racial/ethnic categories by 2-digit program areas. The number of awards distributed in this manner were 20,512 associate's degrees; 10,042 bachelor's degrees; 7,104 master's degrees; 449 doctor's degrees; and 9 first-professional degrees. These represented 4.6, 1.0, 2.2, 1.2, and less than 0.1 percent, respectively, of the totals for associate's, bachelor's, master's, doctor's, and first-professional awards.

With the 1989-90 survey, IPEDS began to collect an additional race/ethnicity category, "Race/ethnicity unknown." This category is used only if the student does not select a racial/ethnic designation and the institution finds it impossible to place the student into one of the other categories during the established enrollment procedures or in any post-enrollment identification or verification process. Since counts for this category were not collected in previous years, those data were also distributed among the other U.S. racial/ethnic categories by 2-digit program areas for this report. However, since the "Race/ethnicity unknown" category is restricted to U.S. citizens and resident aliens, this distribution excluded "Non-resident alien" counts. The number of awards distributed in this manner were 9,758 associate's degrees; 20,741 bachelor's degrees; 10,503 master's degrees; 880 doctor's degrees; and 1,038 first-professional degrees. These represented 2.2, 2.0, 3.3, 2.3, and 1.5 percent, respectively, of the totals for associate's, master's, doctor's, and first-

professional awards. When this new category has been collected for a sufficient period of time to allow meaningful trends to appear, those data will be added to the report categories.

In addition, there were some institutions that did not report the field of study for award recipients. These data (5,682 associate's; 2,727 bachelor's; 1,852 master's; 258 doctor's; and 244 first-professional degrees) were removed from the analysis. Thus, the numbers in this publication are slight undercounts of actual awards at these degree levels.

Imputation for total nonrespondents has remained basically the same over the period of this report. Prior to 1986-87, imputations for unreported race/ethnicity was not performed and those counts are not included in totals presented in this report. For subsequent years, the imputation procedures as described above, other than the distribution of "Race/ethnicity unknown" counts, were used.

Explanation of Tables

Table 1 displays the number and percentage of degrees conferred by level of degree and sex without regard to race/ethnicity.

Table 2 provides the number and percentage of degrees conferred by level of degree and race/ethnicity without regard to sex.

Table 3 shows the number of degrees conferred and average annual percent change by level of degrees and field of study without regard to sex or race/ethnicity. This table does not include first-professional degrees due to the limited fields in which they are awarded.

Tables 4 through 8 show the number of degrees conferred by sex, race/ethnicity, and field of study. Each table is confined to one of the levels of degrees (Table 4 - Associate's; Table 5 - Bachelor's; Table 6 - Master's; Table 7 - Doctor's; Table 8 - First-professional.)

The Appendix gives the total number of associate's, bachelor's, master's, and doctor's degrees conferred in 1989-90, by detailed program specialty, as well as summarized to the discipline division.

Late responses and corrections received too late to be included in the 1988-89 IPEDS Completions survey were incorporated into a new data file, which was used for this publication. Therefore, some data in this report for academic year 1988-89 will be different from previous publications.

Certain aggregations of the discipline division fields as reported in the IPEDS Completions survey have been made for the tables showing field of study. Figure 4 will allow users to determine which discipline divisions are included in those fields of study; fields of study not listed are identical to the IPEDS discipline division.

In analyzing data by fields of study, users must remember that the data represent programs, not schools, colleges, or divisions (SCDs) within institutions. For example, some institutions might have a few computer and information science programs organized and taught within a business school. However, for IPEDS reporting purposes, the degrees are classified and counted within the computer and information science discipline division. Therefore, the data represent programs, not organizational units within institutions.

Acknowledgments

The author is grateful to Charles Anderson, American Council on Education; Enid Jones, American Association of Community and Junior Colleges; Lawrence Bussey, U.S. Department of Education, Office for Civil Rights; and Judith Carpenter and Charlene Hoffman of the National Center for Education Statistics for their valuable comments during the review of this publication.

Figure 4.--Crosswalk of field of study with IPEDS discipline divisions

Field of study	IPEDS Discipline division
Agriculture and natural resources	Agribusiness and agricultural production Agricultural science Renewable natural resources
Business and management	Business and management Business (Administrative support) Marketing and distribution Consumer, personal, and miscellaneous services
Communications	Communications Communications technologies
Engineering and related technologies	Engineering Engineering and engineering related technologies Construction trades Mechanics and repairers
Fine and applied arts	Visual and performing arts Precision production
Health professionals	Allied health Health sciences
Home economics	Home economics Vocational home economics
Military sciences	Military sciences Military technologies
Public affairs and services	Public affairs Parks and recreation Protective services Transportation and material moving
Letters	Letters Philosophy and religion
Physical sciences	Physical sciences Science technologies
Interdisciplinary studies	Multi/interdisciplinary studies Liberal/general studies

Table 1.—Degrees conferred by institutions of higher education, by level of degree and sex: 50 states and District of Columbia, 1980–81 through 1989–90

Level of degree and sex	Year of award									
	1980–81		1984–85		1986–87		1988–89		1989–90	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	1,333,162	100.0	1,781,911	100.0	1,822,550	100.0	1,864,779	100.0	1,926,635	100.0
Men	690,080	51.8	874,771	49.1	881,457	48.4	882,424	47.3	899,205	46.7
Women	643,082	48.2	907,140	50.9	941,093	51.6	982,355	52.7	1,027,430	53.3
Associate's	—	—	429,815	100.0	436,299	100.0	432,144	100.0	448,997	100.0
Men	—	—	190,409	44.3	190,832	43.7	183,963	42.6	188,160	41.9
Women	—	—	239,406	55.7	245,467	56.3	248,181	57.4	260,837	58.1
Bachelor's	934,800	100.0	968,311	100.0	991,260	100.0	1,016,350	100.0	1,046,930	100.0
Men	469,625	50.2	476,148	49.2	480,780	48.5	481,946	47.4	490,101	46.8
Women	465,175	49.8	492,163	50.8	510,480	51.5	534,404	52.6	556,829	53.2
Master's	294,183	100.0	280,421	100.0	289,341	100.0	309,770	100.0	321,992	100.0
Men	145,666	49.5	139,417	49.7	141,264	48.8	148,872	48.1	152,907	47.5
Women	148,517	50.5	141,004	50.3	148,077	51.2	160,898	51.9	169,085	52.5
Doctor's	32,839	100.0	32,307	100.0	34,033	100.0	35,659	100.0	37,980	100.0
Men	22,595	68.8	21,296	65.9	22,059	64.8	22,597	63.4	24,218	63.8
Women	10,244	31.2	11,011	34.1	11,974	35.2	13,062	36.6	13,762	36.2
First-professional	71,340	100.0	71,057	100.0	71,617	100.0	70,856	100.0	70,736	100.0
Men	52,194	73.2	47,501	66.8	46,522	65.0	45,046	63.6	43,819	61.9
Women	19,146	26.8	23,556	33.2	25,095	35.0	25,810	36.4	26,917	38.1

— Data not available until 1984–85.

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

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Table 2.—Degrees conferred by institutions of higher education, by level of degree and race/ethnicity: 50 states and District of Columbia, 1980–81 through 1989–90

Level of degree and race/ethnicity	1980–81		1984–85		1986–87		1988–89		1989–90	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	1,333,162	100.0	1,781,911	100.0	1,822,550	100.0	1,864,779	100.0	1,926,635	100.0
White non–Hispanic	1,138,994	85.4	1,492,230	83.7	1,519,632	83.4	1,543,364	82.8	1,589,127	82.5
Black non–Hispanic	82,002	6.2	111,386	6.3	110,359	6.1	111,096	6.0	116,217	6.0
Hispanic	30,290	2.3	54,706	3.1	56,180	3.1	60,470	3.2	65,863	3.4
Asian or Pacific Islander	27,409	2.1	46,013	2.6	56,337	3.1	64,853	3.5	67,749	3.5
American Native/Alaskan Native	4,949	0.4	8,822	0.5	8,679	0.5	8,724	0.5	9,330	0.5
Nonresident alien	49,518	3.7	68,754	3.9	71,363	3.9	76,272	4.1	78,349	4.1
Associate's	—	—	429,815	100.0	436,299	100.0	432,144	100.0	448,997	100.0
White non–Hispanic	—	—	355,343	82.7	361,819	82.9	354,813	82.1	368,529	82.1
Black non–Hispanic	—	—	35,791	8.3	35,457	8.1	34,722	8.0	35,278	7.9
Hispanic	—	—	19,407	4.5	19,345	4.4	20,381	4.7	22,062	4.9
Asian or Pacific Islander	—	—	9,914	2.3	11,794	2.7	12,531	2.9	13,426	3.0
American Native/Alaskan Native	—	—	2,953	0.7	3,196	0.7	3,335	0.8	3,525	0.8
Nonresident alien	—	—	6,407	1.5	4,688	1.1	6,362	1.5	6,177	1.4
Bachelor's	934,800	100.0	968,311	100.0	991,260	100.0	1,016,350	100.0	1,046,930	100.0
White non–Hispanic	807,319	86.4	826,106	85.3	841,820	84.9	859,699	84.6	882,996	84.3
Black non–Hispanic	60,673	6.5	57,473	5.9	56,555	5.7	58,065	5.7	61,074	5.8
Hispanic	21,832	2.3	25,874	2.7	26,990	2.7	29,910	2.9	32,686	3.1
Asian or Pacific Islander	18,794	2.0	25,395	2.6	32,618	3.3	37,686	3.7	39,059	3.7
American Native/Alaskan Native	3,593	0.4	4,246	0.4	3,971	0.4	3,954	0.4	4,338	0.4
Nonresident alien	22,589	2.4	29,217	3.0	29,306	3.0	27,036	2.7	26,777	2.6
Master's	294,183	100.0	280,421	100.0	289,341	100.0	309,770	100.0	321,992	100.0
White non–Hispanic	241,216	82.0	223,628	79.7	228,870	79.1	242,756	78.4	251,518	78.1
Black non–Hispanic	17,133	5.8	13,939	5.0	13,867	4.8	14,096	4.6	15,331	4.8
Hispanic	6,461	2.2	6,864	2.4	7,044	2.4	7,282	2.4	7,905	2.5
Asian or Pacific Islander	6,282	2.1	7,782	2.8	8,558	3.0	10,336	3.3	10,646	3.3
American Native/Alaskan Native	1,034	0.4	1,256	0.4	1,104	0.4	1,086	0.4	1,108	0.3
Nonresident alien	22,057	7.5	26,952	9.6	29,898	10.3	34,214	11.0	35,484	11.0
Doctor's	32,839	100.0	32,307	100.0	34,033	100.0	35,659	100.0	37,980	100.0
White non–Hispanic	25,908	78.9	23,934	74.1	24,435	71.8	24,882	69.8	25,793	67.9
Black non–Hispanic	1,265	3.9	1,154	3.6	1,060	3.1	1,065	3.0	1,145	3.0
Hispanic	456	1.4	677	2.1	750	2.2	628	1.8	783	2.1
Asian or Pacific Islander	877	2.7	1,106	3.4	1,097	3.2	1,324	3.7	1,282	3.4
American Native/Alaskan Native	130	0.4	119	0.4	104	0.3	85	0.2	102	0.3
Nonresident alien	4,203	12.8	5,317	16.5	6,587	19.4	7,675	21.5	8,875	23.4
First–Professional	71,340	100.0	71,057	100.0	71,617	100.0	70,856	100.0	70,736	100.0
White non–Hispanic	64,551	90.5	63,219	89.0	62,688	87.5	61,214	86.4	60,291	85.2
Black non–Hispanic	2,931	4.1	3,029	4.3	3,420	4.8	3,148	4.4	3,389	4.8
Hispanic	1,541	2.2	1,884	2.7	2,051	2.9	2,269	3.2	2,427	3.4
Asian or Pacific Islander	1,456	2.0	1,816	2.6	2,270	3.2	2,976	4.2	3,336	4.7
American Native/Alaskan Native	192	0.3	248	0.3	304	0.4	264	0.4	257	0.4
Nonresident alien	669	0.9	861	1.2	884	1.2	985	1.4	1,036	1.5

— Data not available on associates until 1984–85.

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously publishe figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 3.—Number of degrees conferred by institutions of higher education and average annual percent change, by level and field of study: 50 states and District of Columbia, 1980–81 through 1989–90

Level and field of study	Number of degrees					Average annual percent change			
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81 to 1984–85	1984–85 to 1986–87	1986–87 to 1988–89	1988–89 to 1989–90
Associate's degrees, total	---	429,815	436,299	432,144	448,997	---	0.8	-0.5	3.9
Agriculture and natural resources	---	6,320	5,458	4,725	4,832	---	-7.1	-7.0	2.3
Architecture and environmental design	---	1,182	1,665	1,815	2,011	---	18.7	4.4	10.8
Area and ethnic studies	---	10	14	16	68	---	18.3	6.9	325.0
Business and management	---	116,737	115,231	107,629	106,980	---	-0.6	-3.4	-0.6
Communications	---	3,864	3,541	3,743	3,672	---	-4.3	2.8	-1.9
Computer and information sciences	---	11,843	9,101	7,900	7,604	---	-12.3	-6.8	-3.7
Education	---	7,009	7,333	7,391	8,018	---	2.3	0.4	8.5
Engineering and related technologies	---	59,391	62,512	56,368	54,131	---	2.6	-5.0	-4.0
Fine and applied arts	---	12,885	14,161	12,956	13,923	---	4.8	-4.3	7.5
Foreign languages	---	350	421	324	329	---	9.7	-12.3	1.5
Health professions	---	65,864	62,547	59,566	64,128	---	-2.6	-2.4	7.7
Home economics	---	9,091	9,328	10,505	10,230	---	1.3	6.1	-2.6
Law	---	1,961	2,498	3,742	4,547	---	12.9	22.4	21.5
Letters	---	645	608	603	660	---	-2.9	-0.4	9.5
Library science	---	108	117	103	112	---	4.1	-6.2	8.7
Life sciences	---	852	892	982	1,034	---	2.3	4.9	5.3
Mathematics	---	693	666	654	760	---	-2.0	-0.9	16.2
Military Sciences	---	15	41	164	129	---	65.3	100.0	-21.3
Physical sciences	---	1,999	2,061	1,961	2,135	---	1.5	-2.5	8.9
Psychology	---	821	1,014	1,090	1,110	---	11.1	3.7	1.8
Public affairs and services	---	16,105	16,021	16,875	18,537	---	-0.3	2.6	9.8
Social sciences	---	2,086	2,584	2,741	2,870	---	11.3	3.0	4.7
Theology	---	689	594	568	653	---	-7.1	-2.2	15.0
Interdisciplinary studies	---	109,295	117,891	129,723	140,524	---	3.9	4.9	8.3
Bachelor's degrees, total	934,800	968,311	991,260	1,016,350	1,046,930	0.9	1.2	1.3	3.0
Agriculture and natural resources	21,886	18,015	14,991	13,492	13,070	-4.7	-8.8	-5.1	-3.1
Architecture and environmental design	9,455	9,217	8,950	9,150	9,261	-0.6	-1.5	1.1	1.2
Area and ethnic studies	2,585	2,851	3,307	3,945	4,399	2.5	7.7	9.2	11.5
Business and management	200,857	231,308	241,100	247,175	249,081	3.6	2.1	1.3	0.8
Communications	31,282	41,547	45,393	48,645	51,283	7.4	4.5	3.5	5.4
Computer and information sciences	15,120	38,589	39,590	30,454	27,434	26.4	1.3	-12.3	-9.9
Education	108,265	87,788	87,083	97,082	104,715	-5.1	-0.4	5.6	7.9
Engineering and related technologies	74,954	94,560	93,097	85,225	82,110	6.0	-0.8	-4.3	-3.7
Fine and applied arts	40,241	37,351	36,233	37,925	39,695	-1.8	-1.5	2.3	4.7
Foreign languages	10,319	9,845	10,197	10,780	11,326	-1.2	1.8	2.8	5.1
Health professions	63,649	63,289	63,213	59,138	58,816	-0.1	-0.1	-3.3	-0.5
Home economics	18,370	15,454	14,940	14,715	14,987	-4.2	-1.7	-0.8	1.8
Law	776	1,131	1,177	1,976	1,582	9.9	2.0	29.6	-19.9
Letters	40,028	40,193	43,116	49,812	54,923	0.1	3.6	7.5	10.3
Library science	375	194	140	122	84	-15.2	-15.1	-6.6	-31.1
Life sciences	43,216	38,115	38,120	36,059	37,170	-3.1	0.0	-2.7	3.1
Mathematics	11,078	14,885	16,444	15,218	14,597	7.7	5.1	-3.8	-4.1
Military Sciences	305	298	384	419	417	-0.6	13.5	4.5	-0.5
Physical sciences	23,950	23,555	20,071	17,186	16,131	-0.4	-7.7	-7.5	-6.1
Psychology	40,833	39,523	42,835	48,737	53,586	-0.8	4.1	6.7	9.9
Public affairs and services	36,311	30,572	31,214	34,151	36,032	-4.2	1.0	4.6	5.5
Social sciences	100,647	90,795	96,172	107,914	116,925	-2.5	2.9	5.9	8.4
Theology	5,807	5,874	5,728	5,317	5,162	0.3	-1.3	-3.7	-2.9
Interdisciplinary studies	34,491	33,362	37,765	41,713	44,144	-0.8	6.4	5.1	5.8

See footnotes at end of table.

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Table 3.--Number of degrees conferred by institutions of higher education and average annual percent change, by level and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Level and field of study	Number of degrees					Average annual percent change			
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81 to 1984–85	1984–85 to 1986–87	1986–87 to 1988–89	1988–89 to 1989–90
Master's degrees, total	294,183	280,421	289,341	309,770	321,992	-1.2	1.6	3.5	3.9
Agriculture and natural resources	4,003	3,901	3,521	3,245	3,373	-0.6	-5.0	-4.0	3.9
Architecture and environmental design	3,153	3,233	3,164	3,383	3,492	0.6	-1.1	3.4	3.2
Area and ethnic studies	718	778	853	1,004	1,198	2.0	4.7	8.5	19.3
Business and management	57,541	65,596	67,504	73,521	77,203	3.7	0.7	4.4	5.0
Communications	3,105	3,521	3,892	4,257	4,369	3.2	5.1	4.6	2.6
Computer and information sciences	4,143	6,942	8,481	9,414	9,643	13.8	10.5	5.4	2.4
Education	98,380	75,821	75,473	82,533	86,057	-6.3	-0.2	4.6	4.3
Engineering and related technologies	16,358	20,735	22,658	24,572	24,848	6.1	4.5	4.1	1.1
Fine and applied arts	8,629	8,549	8,503	8,265	8,548	-0.2	-0.3	-1.4	3.4
Foreign languages	2,104	1,703	1,745	1,898	1,995	-5.1	1.2	4.3	5.1
Health professions	16,515	17,062	18,421	19,293	20,354	0.8	3.9	2.3	5.5
Home economics	2,570	2,359	2,069	2,166	2,153	-2.1	-6.3	2.3	-0.6
Law	1,832	1,774	1,944	2,013	1,869	-0.8	4.7	1.8	-7.2
Letters	8,301	6,920	7,234	7,956	8,549	-4.4	2.2	4.9	7.5
Library science	4,859	3,846	3,814	3,953	4,349	-5.7	-0.4	1.8	10.0
Life sciences	5,978	5,010	4,950	4,961	4,861	-4.3	-0.6	0.1	-2.0
Mathematics	2,565	2,831	3,319	3,447	3,677	2.5	8.3	1.9	6.7
Military Sciences	0	50	119	0	0	—	54.3	-100.0	—
Physical sciences	5,227	5,675	5,630	5,723	5,447	2.1	-0.4	0.8	-4.8
Psychology	7,998	8,379	8,124	8,552	9,231	1.2	-1.5	2.6	7.9
Public affairs and services	20,074	17,130	18,523	19,417	19,574	-3.9	4.0	2.4	0.8
Social sciences	11,917	10,223	10,395	10,867	11,419	-3.8	0.8	2.2	5.1
Theology	3,728	3,894	4,841	4,644	4,686	1.1	11.5	-2.1	0.9
Interdisciplinary studies	4,485	3,489	4,164	4,686	5,099	-6.1	9.2	6.1	8.8
Doctor's degrees, total	32,839	32,307	34,033	35,659	37,980	-0.4	2.6	2.4	6.5
Agriculture and natural resources	1,067	1,216	1,048	1,183	1,272	3.3	-7.2	6.2	7.5
Architecture and environmental design	93	89	92	86	97	-1.1	1.7	-3.3	12.8
Area and ethnic studies	157	134	132	113	128	-3.9	-0.7	-7.5	13.3
Business and management	844	849	1,094	1,149	1,142	0.1	13.5	2.5	-0.6
Communications	182	219	280	253	269	4.7	13.1	-4.9	6.3
Computer and information sciences	252	240	374	551	623	-1.2	24.8	21.4	13.1
Education	7,900	7,032	6,909	6,800	6,922	-2.9	-0.9	-0.8	1.8
Engineering and related technologies	2,551	3,174	3,818	4,523	4,965	5.6	9.7	8.8	9.8
Fine and applied arts	854	672	791	752	842	0.7	8.5	-2.5	12.0
Foreign languages	588	424	441	420	512	-7.8	2.0	-2.4	21.9
Health professions	842	1,172	1,213	1,436	1,543	8.6	1.7	8.8	7.5
Home economics	247	276	297	265	303	2.8	3.7	-5.5	14.3
Law	60	89	120	76	113	10.4	16.1	-20.4	48.7
Letters	1,790	1,666	1,601	1,699	1,698	-1.8	-2.0	3.0	-0.1
Library science	71	83	57	61	41	4.0	-17.1	3.4	-32.8
Life sciences	3,718	3,354	3,417	3,520	3,844	-2.5	0.9	1.5	9.2
Mathematics	728	686	723	866	915	-1.5	2.7	9.4	5.7
Military sciences	0	0	0	0	0	—	—	—	—
Physical sciences	3,140	3,382	3,671	3,858	4,168	1.9	4.2	2.5	8.0
Psychology	2,955	2,864	3,056	3,222	3,353	-0.8	3.3	2.7	4.1
Public affairs and services	433	444	449	490	567	0.6	0.6	4.5	15.7
Social sciences	3,119	2,828	2,915	2,885	3,023	-2.4	1.5	-0.5	4.8
Theology	1,169	1,090	1,230	1,162	1,298	-1.7	6.2	-2.8	11.7
Interdisciplinary studies	279	324	305	289	342	3.8	-3.0	-2.7	18.3

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
All fields, total	—	190,409	190,832	183,963	188,160	—	239,406	245,467	248,181	260,837
Agriculture and natural resources	—	4,347	3,691	3,070	3,230	—	1,973	1,767	1,655	1,602
Architecture and environmental design	—	211	229	256	268	—	971	1,436	1,559	1,743
Area and ethnic studies	—	1	6	8	12	—	9	8	8	56
Business and management	—	39,943	36,924	33,524	32,751	—	76,794	78,307	74,105	74,229
Communications	—	2,319	2,065	2,122	2,093	—	1,545	1,476	1,621	1,579
Computer and information sciences	—	6,102	4,791	3,992	3,820	—	5,741	4,310	3,908	3,784
Education	—	2,106	2,113	2,136	2,311	—	4,903	5,220	5,255	5,707
Engineering and related technologies	—	54,330	56,921	51,039	48,970	—	5,081	5,591	5,329	5,161
Fine and applied arts	—	7,566	8,095	7,522	8,041	—	5,319	6,066	5,434	5,882
Foreign languages	—	183	231	110	78	—	167	190	214	251
Health professions	—	7,758	7,214	7,050	7,969	—	58,106	55,333	52,516	56,159
Home economics	—	2,530	2,738	3,308	2,746	—	6,561	6,590	7,197	7,484
Law	—	275	287	471	583	—	1,686	2,211	3,271	3,964
Letters	—	252	222	220	244	—	393	386	383	416
Library science	—	9	19	12	13	—	99	98	91	99
Life sciences	—	381	397	414	439	—	471	495	568	595
Mathematics	—	429	418	415	489	—	264	248	239	271
Military Sciences	—	15	39	133	114	—	0	2	31	15
Physical sciences	—	1,252	1,253	1,141	1,317	—	747	808	820	818
Psychology	—	244	292	279	285	—	577	722	811	825
Public affairs and services	—	10,819	10,537	10,976	12,491	—	5,286	5,484	5,899	6,046
Social sciences	—	898	1,095	1,197	1,272	—	1,188	1,489	1,544	1,598
Theology	—	390	355	320	389	—	299	239	248	264
Interdisciplinary studies	—	48,049	50,900	54,248	58,235	—	61,246	66,991	75,475	82,289
White, non-Hispanic										
Total	—	157,278	158,126	150,950	154,301	—	198,065	203,693	203,863	214,228
Agriculture and natural resources	—	4,050	3,492	2,918	3,045	—	1,903	1,657	1,583	1,503
Architecture and environmental design	—	168	169	191	184	—	862	1,279	1,354	1,490
Area and ethnic studies	—	0	2	1	5	—	3	1	2	39
Business and management	—	32,633	30,367	27,097	26,429	—	62,259	63,623	59,264	59,199
Communications	—	1,960	1,750	1,804	1,809	—	1,346	1,222	1,351	1,320
Computer and information sciences	—	5,066	3,855	3,169	2,960	—	4,662	3,255	2,871	2,727
Education	—	1,418	1,654	1,585	1,832	—	3,846	4,288	4,290	4,702
Engineering and related technologies	—	45,574	47,[illegible]	42,211	40,491	—	4,051	4,326	4,176	4,079
Fine and applied arts	—	6,192	6,811	6,207	6,837	—	4,522	5,165	4,544	5,040
Foreign languages	—	149	203	87	51	—	120	150	163	202
Health professions	—	6,530	5,945	5,670	6,566	—	51,189	47,931	44,903	48,463
Home economics	—	2,261	2,461	2,912	2,343	—	5,015	5,157	5,649	5,711
Law	—	210	216	377	451	—	1,487	1,963	2,839	3,474
Letters	—	205	172	167	176	—	312	308	307	336
Library science	—	8	14	10	8	—	89	90	78	85
Life sciences	—	296	288	308	316	—	366	329	422	432
Mathematics	—	321	313	305	350	—	204	186	182	211
Military Sciences	—	15	37	109	77	—	0	2	24	14
Physical sciences	—	1,048	1,080	937	1,092	—	617	687	702	674
Psychology	—	204	233	208	220	—	476	592	648	635
Public affairs and services	—	9,106	8,794	9,279	10,635	—	4,020	4,197	4,554	4,711
Social sciences	—	596	792	857	881	—	791	1,061	1,135	1,219
Theology	—	339	308	286	332	—	261	219	224	241
Interdisciplinary studies	—	38,931	42,160	44,255	47,211	—	49,664	56,005	62,598	67,721

See footnotes at end of table.

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Black, non-Hispanic										
Total	—	14,184	13,947	12,913	13,171	—	21,607	21,510	21,809	22,107
Agriculture and natural resources	—	98	46	24	27	—	19	16	18	20
Architecture and environmental design	—	17	10	13	13	—	29	46	55	51
Area and ethnic studies	—	1	0	4	5	—	0	3	1	5
Business and management	—	3,597	3,479	3,086	2,958	—	8,123	8,220	8,011	7,733
Communications	—	222	190	165	137	—	113	139	138	131
Computer and information sciences	—	446	415	313	359	—	462	539	551	572
Education	—	248	222	254	269	—	405	417	468	461
Engineering and related technologies	—	3,517	3,751	3,106	3,007	—	502	529	571	482
Fine and applied arts	—	462	469	390	357	—	283	315	260	230
Foreign languages	—	21	9	2	2	—	8	5	8	6
Health professions	—	560	599	543	542	—	4,018	4,279	4,395	4,306
Home economics	—	159	131	194	183	—	870	838	821	826
Law	—	39	44	44	70	—	89	126	213	273
Letters	—	18	16	22	30	—	37	23	23	27
Library science	—	1	1	0	2	—	5	4	5	3
Life sciences	—	37	21	18	27	—	56	84	50	48
Mathematics	—	17	27	15	18	—	7	12	8	3
Military Sciences	—	0	0	17	26	—	0	0	5	0
Physical sciences	—	57	53	39	59	—	52	51	42	48
Psychology	—	22	29	30	34	—	43	48	54	78
Public affairs and services	—	897	819	724	798	—	808	810	861	874
Social sciences	—	140	155	164	177	—	201	149	167	162
Theology	—	21	30	18	14	—	10	4	6	9
Interdisciplinary studies	—	3,587	3,431	3,728	4,057	—	5,467	4,853	5,078	5,759
Hispanic										
Total	—	8,561	8,764	9,212	9,810	—	10,846	10,581	11,169	12,252
Agriculture and natural resources	—	72	61	40	46	—	20	64	26	23
Architecture and environmental design	—	6	23	17	30	—	44	50	64	87
Area and ethnic studies	—	0	1	0	0	—	1	1	0	0
Business and management	—	1,704	1,376	1,477	1,508	—	3,425	3,318	3,316	3,587
Communications	—	75	64	76	89	—	55	60	51	54
Computer and information sciences	—	216	207	198	198	—	219	208	176	188
Education	—	145	124	159	114	—	494	290	296	309
Engineering and related technologies	—	2,034	2,554	2,349	2,444	—	176	228	216	243
Fine and applied arts	—	338	358	397	379	—	196	223	244	217
Foreign languages	—	7	5	8	10	—	27	17	28	31
Health professions	—	395	374	447	442	—	1,578	1,672	1,608	1,660
Home economics	—	42	44	66	66	—	405	352	392	456
Law	—	17	19	29	40	—	59	75	105	134
Letters	—	8	11	7	17	—	21	21	17	19
Library science	—	0	2	1	0	—	2	2	4	1
Life sciences	—	19	30	27	32	—	19	24	38	56
Mathematics	—	29	22	33	47	—	9	18	17	21
Military Sciences	—	0	1	7	10	—	0	0	2	1
Physical sciences	—	80	51	62	61	—	31	27	33	35
Psychology	—	10	16	25	25	—	33	51	73	84
Public affairs and services	—	535	660	638	656	—	315	290	314	276
Social sciences	—	101	80	90	120	—	124	176	118	112
Theology	—	19	11	9	24	—	11	7	8	6
Interdisciplinary studies	—	2,709	2,670	3,050	3,452	—	3,582	3,407	4,023	4,652

See footnotes at end of table.

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Asian or Pacific Islander										
Total	---	5,492	6,172	6,375	6,470	---	4,422	5,622	6,156	6,956
Agriculture and natural resources	---	22	20	13	9	---	6	7	9	15
Architecture and environmental design	---	9	19	15	26	---	18	35	47	62
Area and ethnic studies	---	0	0	1	0	---	0	0	0	0
Business and management	---	900	997	1,052	1,053	---	1,524	1,856	1,972	2,265
Communications	---	26	24	27	33	---	6	17	23	31
Computer and information sciences	---	211	199	171	191	---	236	205	186	174
Education	---	253	57	46	19	---	38	73	59	63
Engineering and related technologies	---	1,973	2,587	2,341	2,139	---	236	392	246	264
Fine and applied arts	---	406	306	383	330	---	181	154	201	212
Foreign languages	---	1	5	4	6	---	7	8	3	1
Health professions	---	174	173	233	255	---	672	855	924	1,002
Home economics	---	49	66	90	114	---	121	141	181	294
Law	---	5	3	2	7	---	24	37	40	47
Letters	---	1	14	7	12	---	1	20	9	15
Library science	---	0	1	0	0	---	3	2	2	4
Life sciences	---	13	25	34	40	---	18	37	28	45
Mathematics	---	34	46	44	55	---	29	26	23	23
Military Sciences	---	0	0	0	1	---	0	0	0	0
Physical sciences	---	39	36	68	76	---	32	31	26	46
Psychology	---	1	6	5	2	---	7	14	9	16
Public affairs and services	---	136	133	175	207	---	50	78	66	78
Social sciences	---	24	37	43	56	---	15	58	69	47
Theology	---	2	1	2	12	---	3	2	6	4
Interdisciplinary studies	---	1,213	1,417	1,619	1,827	---	1,195	1,574	2,027	2,248
American Indian/Alaskan Native										
Total	---	1,198	1,263	1,325	1,436	---	1,755	1,933	2,010	2,089
Agriculture and natural resources	---	41	36	29	33	---	12	15	6	13
Architecture and environmental design	---	2	1	2	2	---	2	3	3	5
Area and ethnic studies	---	0	3	2	2	---	5	3	5	2
Business and management	---	234	203	192	212	---	562	608	591	540
Communications	---	4	9	12	7	---	7	13	8	7
Computer and information sciences	---	16	20	24	25	---	36	27	39	50
Education	---	23	33	42	52	---	78	101	86	124
Engineering and related technologies	---	313	320	363	307	---	41	40	51	34
Fine and applied arts	---	74	96	64	76	---	42	89	43	50
Foreign languages	---	0	6	5	6	---	0	5	5	5
Health professions	---	45	51	56	78	---	327	352	357	364
Home economics	---	9	17	15	12	---	54	37	62	55
Law	---	0	5	8	9	---	7	6	28	15
Letters	---	1	4	9	4	---	4	4	11	7
Library science	---	0	0	1	3	---	0	0	2	5
Life sciences	---	4	5	9	6	---	4	13	12	7
Mathematics	---	4	2	6	8	---	0	2	3	6
Military Sciences	---	0	1	0	0	---	0	0	0	0
Physical sciences	---	7	3	1	5	---	7	3	2	2
Psychology	---	2	6	5	3	---	9	11	8	6
Public affairs and services	---	64	60	88	109	---	62	84	71	83
Social sciences	---	10	18	15	23	---	25	34	30	39
Theology	---	0	0	0	0	---	1	1	2	0
Interdisciplinary studies	---	345	364	377	454	---	470	482	585	670

See footnotes at end of table.

Table 4.—Associate's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Nonresident alien										
Total	—	3,696	2,560	3,188	2,972	—	2,711	2,128	3,174	3,205
Agriculture and natural resources	—	64	36	46	70	—	13	8	13	28
Architecture and environmental design	—	11	7	18	13	—	16	23	36	48
Area and ethnic studies	—	0	0	0	0	—	0	0	0	10
Business and management	—	875	502	620	591	—	901	682	951	905
Communications	—	32	28	38	18	—	18	25	50	36
Computer and information sciences	—	147	95	117	87	—	126	76	85	73
Education	—	19	23	50	25	—	42	51	56	48
Engineering and related technologies	—	919	699	669	582	—	55	76	69	59
Fine and applied arts	—	94	55	81	62	—	95	120	142	133
Foreign languages	—	5	3	4	3	—	5	5	7	6
Health professions	—	54	72	101	86	—	322	244	329	364
Home economics	—	10	19	31	28	—	96	65	92	142
Law	—	4	0	11	6	—	20	4	46	21
Letters	—	19	5	8	5	—	18	10	16	12
Library science	—	0	1	0	0	—	0	0	0	1
Life sciences	—	12	28	18	18	—	8	8	18	7
Mathematics	—	24	8	12	11	—	15	4	6	7
Military Sciences	—	0	0	0	0	—	0	0	0	0
Physical sciences	—	21	30	34	24	—	8	9	15	13
Psychology	—	5	2	6	1	—	9	6	19	6
Public affairs and services	—	81	71	72	86	—	31	25	33	24
Social sciences	—	27	13	28	15	—	32	11	25	19
Theology	—	9	5	5	7	—	13	6	2	4
Interdisciplinary studies	—	1,264	858	1,219	1,234	—	868	670	1,164	1,239

— Data not available on associates until 1984–85.

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
All fields, total	469,625	476,148	480,780	481,946	490,101	465,175	492,163	510,480	534,404	556,829
Agriculture and natural resources	15,154	12,427	10,314	9,298	8,955	6,732	5,588	4,677	4,194	4,115
Architecture and environmental design	6,800	5,946	5,617	5,545	5,637	2,655	3,271	3,333	3,605	3,624
Area and ethnic studies	1,031	1,092	1,249	1,610	1,760	1,554	1,759	2,058	2,335	2,639
Business and management	127,058	126,762	128,920	131,630	132,704	73,799	104,546	112,180	115,545	116,377
Communications	14,179	17,039	18,153	19,247	20,191	17,103	24,508	27,240	29,398	31,092
Computer and information sciences	10,202	24,386	25,866	21,087	19,178	4,918	14,203	13,724	9,367	8,256
Education	27,069	21,146	20,759	21,681	22,980	81,196	66,642	66,324	75,401	81,735
Engineering and related technologies	67,255	82,095	80,349	73,615	70,807	7,699	12,465	12,748	11,610	11,303
Fine and applied arts	14,624	14,190	13,785	14,610	15,325	25,617	23,161	22,448	23,315	24,370
Foreign languages	2,520	2,606	2,792	2,875	3,010	7,799	7,239	7,405	7,905	8,316
Health professions	10,519	9,534	9,177	8,947	9,235	53,130	53,755	54,036	50,191	49,581
Home economics	916	1,002	1,115	1,380	1,480	17,454	14,452	13,825	13,335	13,507
Law	388	445	369	785	510	388	686	808	1,191	1,072
Letters	16,107	15,787	16,525	18,403	20,248	23,921	24,406	26,591	31,409	34,675
Library science	22	25	20	16	16	353	169	120	106	68
Life sciences	24,149	19,905	19,656	17,953	18,325	19,067	18,210	18,464	18,106	18,845
Mathematics	6,342	8,010	8,792	8,189	7,812	4,736	6,875	7,652	7,029	6,785
Military Sciences	293	272	358	378	384	12	26	26	41	33
Physical sciences	18,062	16,972	14,372	12,077	11,091	5,888	6,583	5,699	5,109	5,040
Psychology	14,295	12,596	13,328	14,227	15,291	26,538	26,927	29,507	34,510	38,295
Public affairs and services	15,266	13,894	14,151	15,795	16,826	21,045	16,678	17,063	18,356	19,206
Social sciences	56,156	50,789	53,870	60,011	65,248	44,491	40,006	42,302	47,903	51,677
Theology	4,334	4,278	4,330	4,101	3,919	1,473	1,596	1,398	1,216	1,243
Interdisciplinary studies	16,884	14,950	16,913	18,486	19,169	17,607	18,412	20,852	23,227	24,975
White, non-Hispanic										
Total	406,173	405,085	406,751	407,142	413,469	401,146	421,021	435,069	452,557	469,527
Agriculture and natural resources	13,908	11,252	9,406	8,506	8,119	6,326	5,177	4,251	3,761	3,715
Architecture and environmental design	5,778	4,888	4,501	4,419	4,554	2,291	2,759	2,770	2,969	3,009
Area and ethnic studies	900	874	997	1,231	1,403	1,342	1,368	1,652	1,814	1,997
Business and management	112,267	109,130	111,091	113,141	114,068	61,931	87,785	94,027	95,184	95,331
Communications	12,541	14,940	15,941	16,927	17,836	14,932	21,216	23,552	25,606	26,804
Computer and information sciences	8,622	20,188	20,480	16,210	14,564	3,943	11,133	9,771	6,156	5,209
Education	22,876	18,119	18,050	19,233	20,438	70,848	59,412	60,166	69,043	74,829
Engineering and related technologies	54,453	66,478	63,608	58,001	55,256	6,395	9,960	9,680	8,560	8,208
Fine and applied arts	12,768	12,257	11,875	12,576	13,221	23,165	20,688	19,796	20,507	21,429
Foreign languages	2,067	2,153	2,287	2,338	2,468	6,547	6,061	6,134	6,443	6,698
Health professions	9,276	8,114	7,790	7,534	7,717	47,514	47,387	47,620	43,519	42,348
Home economics	745	841	909	1,172	1,254	15,515	12,783	12,163	11,681	11,820
Law	368	364	334	668	434	363	602	740	1,057	944
Letters	14,748	14,277	14,936	16,672	18,219	21,567	21,926	23,887	28,065	30,861
Library science	18	17	16	12	13	321	156	106	93	63
Life sciences	21,085	16,805	16,393	14,613	14,863	16,191	15,002	14,886	14,261	14,656
Mathematics	5,422	6,508	7,216	6,704	6,406	4,023	5,654	6,340	5,775	5,641
Military Sciences	278	259	336	325	339	11	25	24	31	24
Physical sciences	16,124	15,050	12,505	10,343	9,478	5,122	5,610	4,654	4,149	3,997
Psychology	12,215	10,866	11,540	12,272	13,122	22,486	23,085	25,474	29,517	32,700
Public affairs and services	12,476	11,225	11,653	13,002	13,947	16,834	13,115	13,548	14,441	15,085
Social sciences	48,509	43,787	46,493	51,761	56,153	37,026	33,330	35,166	39,352	42,265
Theology	3,964	3,836	3,950	3,667	3,469	1,388	1,433	1,286	1,107	1,078
Interdisciplinary studies	14,765	12,857	14,444	15,815	16,128	15,065	15,354	17,376	19,466	20,816

See footnotes at end of table.

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Black, non–Hispanic										
Total	24,511	23,018	22,499	22,363	23,276	36,162	34,455	34,056	35,702	37,798
Agriculture and natural resources	259	256	182	173	200	121	114	117	137	122
Architecture and environmental design	210	215	198	186	205	90	113	79	94	106
Area and ethnic studies	20	82	85	98	128	47	137	116	138	199
Business and management	6,503	6,442	6,051	6,060	6,313	6,897	8,557	8,635	9,045	9,413
Communications	980	1,165	1,125	1,150	1,177	1,425	1,970	2,103	2,056	2,319
Computer and information sciences	394	1,036	1,329	1,235	1,119	392	1,107	1,599	1,298	1,236
Education	2,587	1,569	1,348	1,151	1,189	6,907	3,887	2,905	3,094	3,200
Engineering and related technologies	2,020	2,435	2,580	2,342	2,393	429	724	921	877	879
Fine and applied arts	811	716	660	639	675	1,024	827	708	733	741
Foreign languages	76	91	87	62	78	217	221	234	261	256
Health professions	436	484	481	467	515	3,167	3,352	3,341	3,514	3,677
Home economics	83	94	98	106	112	1,042	858	781	789	823
Law	9	40	14	46	31	13	45	38	81	73
Letters	666	652	625	640	699	1,314	1,196	1,197	1,442	1,564
Library science	2	5	0	1	1	28	11	9	7	2
Life sciences	954	806	740	710	672	1,315	1,239	1,192	1,232	1,365
Mathematics	276	373	402	380	349	308	393	444	421	385
Military Sciences	5	3	1	31	19	1	1	0	6	5
Physical sciences	613	455	445	371	304	293	374	399	333	368
Psychology	1,040	751	683	668	825	2,268	1,916	1,852	2,171	2,442
Public affairs and services	1,726	1,532	1,479	1,638	1,703	3,143	2,546	2,459	2,650	2,703
Social sciences	3,696	2,778	2,676	2,871	3,120	4,433	3,322	3,266	3,652	4,028
Theology	142	156	142	162	174	24	39	35	23	68
Interdisciplinary studies	1,003	882	1,068	1,176	1,275	1,264	1,506	1,626	1,648	1,824
Hispanic										
Total	10,810	12,402	12,864	13,947	14,871	11,022	13,472	14,126	15,963	17,815
Agriculture and natural resources	181	165	152	158	146	67	77	79	64	65
Architecture and environmental design	203	231	233	233	247	67	104	105	126	120
Area and ethnic studies	41	68	58	62	82	63	100	88	113	131
Business and management	2,560	2,988	3,251	3,495	3,581	1,554	2,783	3,146	3,522	3,601
Communications	258	358	402	460	480	299	542	609	724	861
Computer and information sciences	193	484	615	564	548	109	342	462	332	314
Education	754	597	518	579	643	2,093	1,936	1,705	1,702	2,210
Engineering and related technologies	1,302	1,935	2,178	2,056	2,205	131	307	375	391	385
Fine and applied arts	345	371	369	446	478	434	435	482	544	581
Foreign languages	258	237	209	264	296	651	562	599	705	835
Health professions	262	309	255	270	318	891	1,241	1,077	1,127	1,292
Home economics	17	25	18	32	43	213	221	214	252	260
Law	4	20	11	37	25	6	24	14	20	25
Letters	278	357	343	404	536	416	464	535	726	899
Library science	1	0	0	0	0	0	0	3	2	0
Life sciences	648	681	657	653	670	496	560	602	605	618
Mathematics	113	148	170	191	207	72	109	99	121	145
Military Sciences	3	7	12	8	8	0	0	1	4	2
Physical sciences	297	310	287	276	228	108	107	136	110	121
Psychology	490	432	459	549	607	815	899	942	1,255	1,461
Public affairs and services	590	612	523	648	658	586	602	613	736	828
Social sciences	1,549	1,557	1,564	1,890	2,122	1,339	1,289	1,319	1,768	1,959
Theology	74	86	63	69	80	14	33	18	27	16
Interdisciplinary studies	389	424	517	603	663	598	735	903	987	1,086

See footnotes at end of table.

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Asian or Pacific Islander										
Total	10,107	13,554	17,249	19,271	19,617	8,687	11,841	15,369	18,415	19,442
Agriculture and natural resources	200	141	161	105	138	112	104	122	121	110
Architecture and environmental design	217	188	208	223	289	79	112	157	204	183
Area and ethnic studies	39	41	77	144	81	79	93	137	190	220
Business and management	2,121	2,644	2,873	3,633	3,643	1,822	2,630	3,129	4,340	4,683
Communications	153	204	356	364	312	215	360	563	582	623
Computer and information sciences	410	1,158	1,542	1,455	1,392	259	886	1,004	906	852
Education	258	240	312	262	264	465	530	780	844	667
Engineering and related technologies	2,699	4,132	5,347	5,676	5,647	367	881	1,150	1,227	1,275
Fine and applied arts	289	333	418	466	485	499	576	776	901	892
Foreign languages	39	45	140	139	87	171	165	201	258	290
Health professions	299	298	337	400	403	1,013	1,012	1,240	1,310	1,479
Home economics	41	19	46	34	41	354	288	377	415	369
Law	2	18	9	26	11	3	10	13	28	23
Letters	167	223	352	411	510	293	362	591	773	872
Library science	0	1	0	1	1	2	0	0	2	0
Life sciences	830	1,022	1,343	1,475	1,613	659	928	1,277	1,479	1,709
Mathematics	223	470	540	531	501	168	410	510	498	392
Military Sciences	4	3	1	4	4	0	0	0	0	1
Physical sciences	412	504	615	634	607	184	259	303	297	353
Psychology	293	277	417	501	505	546	553	771	1,065	1,173
Public affairs and services	187	161	196	271	241	229	164	212	231	275
Social sciences	860	1,002	1,448	1,947	2,143	785	1,032	1,494	2,023	2,172
Theology	43	54	67	94	84	15	26	25	27	38
Interdisciplinary studies	321	376	444	475	615	368	460	537	694	791
American Indian/Alaskan Native										
Total	1,700	1,998	1,819	1,731	1,828	1,893	2,248	2,152	2,223	2,510
Agriculture and natural resources	81	47	38	45	49	15	23	20	24	27
Architecture and environmental design	20	24	15	28	16	4	11	11	11	9
Area and ethnic studies	3	7	9	7	13	1	9	20	18	15
Business and management	388	495	400	350	392	248	426	383	447	435
Communications	51	61	58	58	75	59	94	74	71	102
Computer and information sciences	17	76	63	56	56	4	63	53	32	31
Education	164	165	124	170	157	405	318	328	363	441
Engineering and related technologies	173	263	247	234	188	22	50	42	46	29
Fine and applied arts	73	73	82	52	68	114	127	102	72	95
Foreign languages	10	4	10	6	6	15	19	14	30	23
Health professions	39	49	46	45	38	170	224	228	194	225
Home economics	1	5	18	5	1	72	68	101	46	65
Law	1	2	1	4	7	1	2	1	1	3
Letters	44	65	48	68	78	59	96	62	114	148
Library science	1	0	0	0	0	1	0	0	0	0
Life sciences	67	89	79	70	74	70	72	68	76	59
Mathematics	10	36	33	37	24	8	23	20	14	23
Military Sciences	1	0	1	0	0	0	0	0	0	0
Physical sciences	44	65	46	44	53	21	33	28	18	21
Psychology	68	75	65	60	70	128	126	121	152	148
Public affairs and services	91	76	78	76	96	133	126	121	152	174
Social sciences	241	229	249	213	255	233	218	215	201	258
Theology	5	10	13	8	5	0	10	2	4	7
Interdisciplinary studies	107	82	96	95	107	110	110	138	137	172

See footnotes at end of table.

Table 5.—Bachelor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Nonresident alien										
Total	16,324	20,091	19,598	17,492	17,040	6,265	9,126	9,708	9,544	9,737
Agriculture and natural resources	525	566	375	311	303	91	93	88	87	76
Architecture and environmental design	372	400	462	456	326	124	172	211	201	197
Area and ethnic studies	28	20	23	68	53	22	52	45	62	77
Business and management	3,219	5,063	5,254	4,951	4,707	1,347	2,365	2,860	3,007	2,914
Communications	196	311	271	288	311	173	326	339	359	383
Computer and information sciences	566	1,444	1,837	1,567	1,499	211	672	835	643	614
Education	430	456	407	286	289	478	559	440	355	388
Engineering and related technologies	6,608	6,852	6,389	5,306	5,118	355	543	580	509	527
Fine and applied arts	338	440	381	431	398	381	508	584	558	632
Foreign languages	70	76	59	66	75	198	211	223	208	214
Health professions	207	280	268	231	244	375	539	530	527	560
Home economics	29	18	26	31	29	258	234	189	152	170
Law	4	1	0	4	2	2	3	2	4	4
Letters	204	213	221	208	206	272	362	319	289	331
Library science	0	2	4	2	1	1	2	2	2	3
Life sciences	565	502	444	432	433	336	409	439	453	438
Mathematics	298	475	431	346	325	157	286	239	200	199
Military Sciences	2	0	7	10	14	0	0	1	0	1
Physical sciences	572	588	474	409	421	160	200	179	202	180
Psychology	189	195	164	177	162	295	348	347	350	371
Public affairs and services	196	288	222	160	181	120	125	110	146	141
Social sciences	1,301	1,436	1,440	1,329	1,455	675	815	842	907	995
Theology	106	136	95	101	107	32	55	32	28	36
Interdisciplinary studies	299	329	344	322	381	202	247	272	295	286

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
All fields, total	145,666	139,417	141,264	148,872	152,907	148,517	141,004	148,077	160,898	169,085
Agriculture and natural resources	3,061	2,828	2,460	2,231	2,245	942	1,073	1,061	1,014	1,128
Architecture and environmental design	2,234	2,124	2,086	2,192	2,221	919	1,109	1,078	1,191	1,271
Area and ethnic studies	335	380	457	511	656	383	398	396	493	542
Business and management	43,045	45,884	45,219	48,869	50,983	14,496	20,712	22,285	24,652	26,220
Communications	1,448	1,470	1,589	1,737	1,712	1,657	2,051	2,303	2,520	2,657
Computer and information sciences	3,176	4,936	5,985	6,775	6,968	967	2,006	2,496	2,639	2,675
Education	28,079	20,844	19,635	20,287	20,834	70,301	54,977	55,838	62,246	65,223
Engineering and related technologies	14,998	18,505	19,808	21,378	21,429	1,360	2,230	2,850	3,194	3,419
Fine and applied arts	4,056	3,806	3,756	3,611	3,749	4,573	4,743	4,747	4,654	4,797
Foreign languages	694	550	516	593	627	1,410	1,153	1,229	1,305	1,368
Health professions	4,316	4,052	3,885	4,235	4,534	12,199	13,010	14,536	15,058	15,820
Home economics	252	267	256	307	310	2,318	2,092	1,813	1,859	1,843
Law	1,506	1,363	1,423	1,431	1,311	326	411	521	582	558
Letters	3,229	2,680	2,840	3,050	3,297	5,072	4,240	4,394	4,906	5,252
Library science	841	749	796	820	960	4,018	3,097	3,018	3,133	3,389
Life sciences	3,654	2,620	2,538	2,492	2,377	2,324	2,390	2,412	2,469	2,484
Mathematics	1,690	1,843	2,022	2,089	2,205	875	988	1,297	1,358	1,472
Military Sciences	0	49	118	0	0	0	1	1	0	0
Physical sciences	4,144	4,355	4,220	4,199	4,008	1,083	1,320	1,410	1,524	1,439
Psychology	3,358	3,042	2,828	2,782	2,992	4,640	5,337	5,296	5,770	6,239
Public affairs and services	8,957	6,704	7,120	7,298	7,156	11,117	10,426	11,403	12,119	12,418
Social sciences	7,442	6,298	6,293	6,510	6,758	4,475	3,925	4,102	4,357	4,661
Theology	2,461	2,521	3,193	3,007	2,998	1,267	1,373	1,648	1,637	1,688
Interdisciplinary studies	2,690	1,547	2,221	2,468	2,577	1,795	1,942	1,943	2,218	2,522
White, non-Hispanic										
Total	115,562	106,059	105,573	109,709	112,976	125,654	117,569	123,297	133,047	138,542
Agriculture and natural resources	2,298	2,005	1,680	1,465	1,499	785	860	856	760	819
Architecture and environmental design	1,667	1,416	1,419	1,459	1,514	724	862	831	895	900
Area and ethnic studies	260	249	310	370	489	272	259	275	321	374
Business and management	35,380	37,256	35,505	38,288	40,334	12,094	17,407	18,077	19,497	20,661
Communications	1,183	1,167	1,233	1,353	1,300	1,373	1,665	1,839	1,997	2,067
Computer and information sciences	2,153	3,052	3,475	3,826	3,926	665	1,251	1,578	1,490	1,511
Education	23,291	17,047	16,431	17,048	17,315	59,488	46,255	48,061	54,071	56,229
Engineering and related technologies	9,177	11,012	11,742	12,119	12,170	970	1,588	2,006	2,126	2,167
Fine and applied arts	3,534	3,203	3,132	2,967	3,010	4,090	4,031	3,973	3,733	3,875
Foreign languages	541	390	351	397	413	1,095	832	828	882	920
Health professions	3,443	3,170	3,048	3,224	3,542	10,732	11,395	12,676	13,053	13,605
Home economics	193	219	206	238	238	1,998	1,742	1,525	1,567	1,545
Law	1,129	927	809	840	778	237	282	291	334	311
Letters	2,768	2,216	2,315	2,482	2,647	4,440	3,600	3,728	4,131	4,406
Library science	733	652	679	712	819	3,591	2,746	2,639	2,747	2,978
Life sciences	3,223	2,125	2,038	1,888	1,785	1,987	1,954	1,906	1,919	1,883
Mathematics	1,212	1,170	1,247	1,234	1,351	678	703	866	895	944
Military Sciences	—	42	101	0	0	—	0	0	0	0
Physical sciences	3,255	3,144	3,023	2,882	2,675	860	1,001	1,039	1,065	936
Psychology	2,945	2,600	2,471	2,389	2,552	4,071	4,618	4,622	5,010	5,286
Public affairs and services	7,212	5,254	5,465	5,572	5,455	9,223	8,595	9,402	9,988	10,145
Social sciences	5,571	4,326	4,316	4,480	4,618	3,579	3,007	3,125	3,223	3,381
Theology	2,119	2,106	2,658	2,386	2,362	1,163	1,223	1,450	1,408	1,413
Interdisciplinary studies	2,275	1,311	1,919	2,090	2,184	1,539	1,693	1,704	1,935	2,186

See footnotes at end of table.

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Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Black, non-Hispanic										
Total	6,158	5,200	5,151	5,175	5,492	10,975	8,739	8,716	8,921	9,839
Agriculture and natural resources	53	50	63	41	36	20	25	16	12	14
Architecture and environmental design	74	80	48	56	59	48	43	29	44	53
Area and ethnic studies	2	19	10	16	18	12	22	29	13	24
Business and management	1,554	1,574	1,637	1,742	1,805	805	1,027	1,173	1,320	1,539
Communications	65	63	83	85	79	122	120	142	138	156
Computer and information sciences	52	108	136	126	158	18	72	86	85	101
Education	2,061	1,325	1,127	1,114	1,171	6,584	4,487	4,123	4,196	4,414
Engineering and related technologies	222	300	351	306	332	38	60	98	109	115
Fine and applied arts	149	107	129	101	129	118	122	111	98	117
Foreign languages	10	9	9	7	13	23	17	20	14	17
Health professions	197	179	139	179	169	692	640	717	676	763
Home economics	11	15	12	12	10	121	107	78	67	95
Law	27	40	26	33	28	11	21	18	25	14
Letters	72	62	68	76	56	178	109	114	105	123
Library science	33	24	25	25	34	183	148	121	105	138
Life sciences	82	67	84	58	53	89	84	91	66	62
Mathematics	33	34	47	33	39	34	19	29	29	35
Military Sciences	---	3	7	0	0	---	1	1	0	0
Physical sciences	79	61	48	56	64	28	28	36	23	27
Psychology	164	146	123	126	139	260	280	275	289	353
Public affairs and services	713	592	604	601	691	1,180	1,008	1,114	1,180	1,301
Social sciences	311	234	226	197	220	304	188	190	198	227
Theology	58	61	86	101	118	13	32	35	44	64
Interdisciplinary studies	136	47	63	84	71	94	79	70	85	87
Hispanic										
Total	3,085	3,059	3,330	3,328	3,566	3,376	3,805	3,714	3,954	4,339
Agriculture and natural resources	50	48	30	39	26	13	16	14	17	20
Architecture and environmental design	52	70	68	68	70	13	23	25	22	33
Area and ethnic studies	18	28	30	21	26	21	26	23	38	25
Business and management	676	812	954	983	1,039	193	363	483	598	592
Communications	24	22	31	24	38	19	49	39	46	44
Computer and information sciences	45	65	98	99	105	15	29	34	47	28
Education	869	668	601	590	699	1,962	1,851	1,631	1,604	1,836
Engineering and related technologies	251	299	456	385	377	27	41	73	78	72
Fine and applied arts	77	78	65	93	100	55	80	77	73	88
Foreign languages	60	49	42	50	53	114	125	120	105	130
Health professions	86	89	72	103	123	165	207	306	299	330
Home economics	5	0	3	12	4	26	40	22	35	31
Law	42	24	30	23	22	10	15	20	9	14
Letters	48	45	57	63	88	83	73	61	96	134
Library science	9	18	14	11	21	49	35	34	50	33
Life sciences	36	48	40	58	49	33	61	46	54	45
Mathematics	31	28	39	20	32	9	21	16	10	15
Military Sciences	---	2	5	0	0	---	0	0	0	0
Physical sciences	45	87	85	53	55	10	20	31	24	26
Psychology	78	114	91	108	105	101	159	152	194	201
Public affairs and services	310	221	275	253	258	319	396	353	369	416
Social sciences	181	159	154	145	154	99	113	91	99	130
Theology	36	44	63	74	55	14	18	25	25	23
Interdisciplinary studies	56	41	27	53	67	26	44	38	62	73

See footnotes at end of table.

Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Asian or Pacific Islander										
Total	3,773	4,842	5,238	6,050	6,070	2,509	2,940	3,320	4,286	4,576
Agriculture and natural resources	50	55	36	29	30	17	20	22	20	29
Architecture and environmental design	75	75	57	73	78	37	41	35	45	50
Area and ethnic studies	11	18	25	25	25	27	30	13	24	31
Business and management	1,161	1,449	1,531	1,850	1,902	472	621	773	1,074	1,102
Communications	30	24	29	45	60	36	23	50	47	95
Computer and information sciences	205	414	561	593	688	74	201	273	354	364
Education	291	238	232	259	254	682	563	492	702	769
Engineering and related technologies	974	1,395	1,552	1,795	1,682	105	178	205	303	330
Fine and applied arts	68	86	75	78	90	92	142	164	198	174
Foreign languages	7	4	8	10	12	19	24	28	33	30
Health professions	164	174	152	165	194	284	302	337	386	439
Home economics	7	4	5	4	6	56	54	44	45	44
Law	32	34	53	33	14	5	13	25	16	14
Letters	44	55	68	69	64	70	82	91	137	120
Library science	13	9	21	29	21	56	62	72	83	72
Life sciences	62	86	89	107	101	83	93	109	122	135
Mathematics	64	108	116	125	112	33	56	77	64	82
Military Sciences	---	0	0	0	0	---	0	0	0	0
Physical sciences	115	154	174	182	150	38	59	67	104	99
Psychology	34	48	35	43	44	43	81	85	82	122
Public affairs and services	149	112	158	175	145	157	159	179	233	232
Social sciences	147	231	152	184	214	86	97	98	135	158
Theology	39	42	70	107	115	16	17	42	41	44
Interdisciplinary studies	31	27	39	70	69	21	22	39	38	41
American Indian/Alaskan Native										
Total	501	583	517	476	465	533	673	587	610	643
Agriculture and natural resources	4	4	4	6	7	3	2	2	0	4
Architecture and environmental design	4	10	7	3	0	1	0	1	5	7
Area and ethnic studies	3	5	4	5	4	3	3	1	2	5
Business and management	128	189	112	116	132	27	82	58	65	61
Communications	3	3	5	2	4	6	8	7	12	6
Computer and information sciences	10	28	20	38	6	2	13	3	3	2
Education	159	139	120	115	106	294	329	256	266	299
Engineering and related technologies	26	45	58	33	33	5	4	6	5	9
Fine and applied arts	9	17	24	14	15	13	23	23	19	20
Foreign languages	1	1	3	1	1	7	4	1	1	2
Health professions	17	14	12	21	21	37	47	50	58	62
Home economics	1	0	3	1	1	9	11	14	8	5
Law	1	2	3	1	1	0	1	1	2	0
Letters	8	11	11	7	13	10	13	12	18	19
Library science	1	2	1	4	3	16	10	8	14	14
Life sciences	9	8	4	8	8	6	10	7	8	6
Mathematics	6	4	1	5	4	1	3	2	1	2
Military Sciences	---	0	0	0	0	---	0	0	0	0
Physical sciences	9	19	7	11	6	2	2	2	6	3
Psychology	13	16	13	11	14	19	21	24	22	25
Public affairs and services	47	33	60	33	43	45	56	84	63	49
Social sciences	28	25	17	31	26	16	18	6	21	34
Theology	1	3	6	4	11	0	2	2	5	3
Interdisciplinary studies	13	5	22	6	6	11	11	17	6	6

See footnotes at end of table.

Table 6.—Master's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Nonresident alien										
Total	16,587	19,674	21,455	24,134	24,338	5,470	7,278	8,443	10,080	11,146
Agriculture and natural resources	606	666	647	651	647	104	150	151	205	242
Architecture and environmental design	362	473	487	533	500	96	140	157	180	228
Area and ethnic studies	41	61	78	74	94	48	58	55	95	83
Business and management	4,146	4,604	5,480	5,890	5,771	905	1,212	1,721	2,098	2,265
Communications	143	191	208	228	231	101	186	226	280	289
Computer and information sciences	711	1,269	1,695	2,093	2,085	193	440	522	660	669
Education	1,408	1,427	1,124	1,161	1,289	1,291	1,492	1,275	1,407	1,676
Engineering and related technologies	4,348	5,454	5,649	6,740	6,835	215	359	462	573	726
Fine and applied arts	219	315	331	358	405	205	345	399	533	523
Foreign languages	75	97	103	128	135	152	151	232	270	269
Health professions	409	426	462	543	485	289	419	450	586	621
Home economics	35	29	27	40	51	108	138	130	137	123
Law	275	336	502	501	468	63	79	166	196	205
Letters	289	291	321	353	429	291	363	388	419	450
Library science	52	44	56	39	62	123	96	144	134	154
Life sciences	242	286	283	373	381	126	188	253	300	353
Mathematics	344	499	572	672	667	120	186	307	359	394
Military Sciences	---	2	5	0	0	---	0	0	0	0
Physical sciences	641	890	883	1,015	1,058	145	210	235	302	348
Psychology	124	118	95	105	138	146	178	138	173	252
Public affairs and services	526	492	558	664	564	193	212	271	286	275
Social sciences	1,204	1,323	1,428	1,473	1,526	391	502	592	681	731
Theology	208	265	310	335	337	61	81	94	114	141
Interdisciplinary studies	179	116	151	165	180	104	93	75	92	129

---Data not available.

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 7.—Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
All fields, total	22,595	21,296	22,059	22,597	24,218	10,244	11,011	11,974	13,062	13,762
Agriculture and natural resources	940	1,039	871	950	1,029	127	177	177	233	243
Architecture and environmental design	73	66	66	63	69	20	23	26	23	28
Area and ethnic studies	100	83	73	57	68	57	51	59	56	60
Business and management	719	706	836	837	863	125	143	258	312	279
Communications	107	131	163	138	144	75	88	117	115	125
Computer and information sciences	227	216	322	466	533	25	24	52	85	90
Education	4,164	3,366	3,117	2,887	2,931	3,736	3,666	3,792	3,913	3,991
Engineering and related technologies	2,447	2,972	3,555	4,123	4,531	104	202	263	400	434
Fine and applied arts	396	392	447	446	472	258	280	344	306	370
Foreign languages	274	178	184	163	210	314	246	257	257	302
Health professions	475	556	564	609	697	367	616	649	827	846
Home economics	78	78	65	59	89	169	198	232	206	214
Law	56	72	79	47	90	4	17	41	29	23
Letters	1,010	917	844	902	890	780	749	757	797	808
Library science	31	38	19	27	12	40	45	38	34	29
Life sciences	2,666	2,259	2,223	2,234	2,395	1,052	1,095	1,194	1,286	1,449
Mathematics	614	581	598	700	746	114	105	125	166	169
Military sciences	0	0	0	0	0	0	0	0	0	0
Physical sciences	2,764	2,836	3,038	3,088	3,364	376	546	633	770	804
Psychology	1,681	1,474	1,427	1,407	1,414	1,274	1,390	1,629	1,815	1,939
Public affairs and services	260	235	251	254	271	173	209	198	236	296
Social sciences	2,272	1,916	2,026	1,949	2,037	847	912	889	936	986
Theology	1,071	987	1,103	1,017	1,147	98	103	127	145	151
Interdisciplinary studies	170	198	188	174	216	109	126	117	115	126
White, non-Hispanic										
Total	17,310	15,017	14,813	14,540	15,102	8,598	8,917	9,622	10,342	10,691
Agriculture and natural resources	577	660	526	517	551	87	130	124	159	150
Architecture and environmental design	39	36	28	25	25	17	17	17	9	16
Area and ethnic studies	73	64	54	38	52	51	41	45	45	44
Business and management	519	475	473	488	440	100	114	215	257	223
Communications	84	95	116	98	102	63	69	93	84	89
Computer and information sciences	162	131	178	241	240	22	19	41	56	71
Education	3,299	2,645	2,412	2,251	2,260	3,092	2,970	3,083	3207	3,240
Engineering and related technologies	1,296	1,264	1,505	1,676	1,817	56	113	172	260	258
Fine and applied arts	353	343	387	367	403	234	239	297	255	304
Foreign languages	205	123	117	105	130	265	182	183	180	193
Health professions	380	405	406	422	463	309	519	526	685	668
Home economics	65	56	49	50	66	141	163	176	159	164
Law	37	52	42	15	31	3	16	29	11	2
Letters	854	765	671	720	704	695	643	625	656	662
Library science	22	25	13	15	6	29	30	30	27	21
Life sciences	2,288	1,839	1,703	1,681	1,720	889	886	921	985	1,086
Mathematics	422	303	285	319	321	85	69	64	88	77
Military sciences	—	0	0	0	0	—	0	0	0	0
Physical sciences	2,153	2,042	1,985	1,922	2,080	292	389	456	519	512
Psychology	1,488	1,308	1,289	1,243	1,215	1,149	1,236	1,436	1594	1,694
Public affairs and services	205	168	177	168	166	125	167	158	188	249
Social sciences	1,751	1,262	1,328	1,183	1,250	714	707	723	700	732
Theology	903	816	931	860	916	90	87	109	122	131
Interdisciplinary studies	135	140	138	136	144	90	111	99	96	105

See footnotes at end of table.

Table 7.—Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Black, non-Hispanic										
Total	694	561	488	490	533	571	593	572	575	612
Agriculture and natural resources	14	21	13	12	20	1	3	5	3	3
Architecture and environmental design	5	4	4	0	0	1	1	3	2	3
Area and ethnic studies	6	3	2	2	4	0	0	5	1	0
Business and management	26	9	21	16	15	6	5	8	3	3
Communications	3	8	7	2	3	7	10	10	13	12
Computer and information sciences	1	3	1	0	3	0	0	1	1	1
Education	289	184	177	175	177	325	337	291	279	341
Engineering and related technologies	23	35	27	24	27	1	5	3	3	7
Fine and applied arts	12	7	3	8	12	5	8	9	3	7
Foreign languages	4	4	7	5	0	5	5	9	9	2
Health professions	9	15	8	13	19	17	18	25	28	20
Home economics	3	0	2	0	4	6	8	21	12	11
Law	1	2	1	0	0	0	1	2	4	0
Letters	28	16	12	15	10	28	17	23	24	19
Library science	3	2	0	1	0	6	6	1	0	2
Life sciences	36	32	30	34	24	28	21	23	22	20
Mathematics	6	7	8	5	5	3	0	1	3	2
Military sciences	—	0	0	0	0	—	0	0	0	0
Physical sciences	28	26	22	24	18	4	9	4	6	10
Psychology	62	51	35	39	38	54	62	62	74	79
Public affairs and services	19	20	16	18	16	33	20	20	22	18
Social sciences	66	67	57	60	75	34	45	38	45	38
Theology	45	41	34	33	57	0	9	5	11	7
Interdisciplinary studies	5	4	1	4	6	7	3	3	7	7
Hispanic										
Total	277	431	439	350	417	179	246	311	278	366
Agriculture and natural resources	14	16	12	17	12	0	2	3	3	3
Architecture and environmental design	2	1	0	1	1	0	0	0	1	1
Area and ethnic studies	1	7	2	3	3	0	2	0	1	4
Business and management	1	4	6	11	7	1	0	4	2	2
Communications	0	0	7	3	2	0	1	4	2	2
Computer and information sciences	0	2	5	1	1	0	0	1	3	1
Education	66	78	87	68	75	74	85	120	98	86
Engineering and related technologies	22	88	65	36	38	1	1	3	6	6
Fine and applied arts	2	7	8	6	3	2	5	3	2	5
Foreign languages	19	23	11	9	18	18	18	31	21	48
Health professions	3	6	10	6	12	5	10	7	10	22
Home economics	0	0	1	0	0	1	7	5	2	0
Law	1	1	12	0	1	0	0	7	0	4
Letters	6	8	22	16	17	8	10	9	16	20
Library science	0	0	0	0	1	1	1	0	0	2
Life sciences	30	39	36	35	41	10	28	23	15	31
Mathematics	4	16	7	5	4	2	6	2	2	1
Military sciences	—	0	0	0	0	—	0	0	0	0
Physical sciences	21	36	43	43	61	2	7	17	11	17
Psychology	34	27	23	36	59	31	31	48	52	65
Public affairs and services	6	5	16	4	7	4	6	2	6	8
Social sciences	37	50	50	37	38	15	23	18	23	35
Theology	7	12	11	10	12	0	0	0	0	1
Interdisciplinary studies	1	5	5	3	4	4	3	4	2	2

See footnotes at end of table.

Table 7.—Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Asian or Pacific Islander										
Total	655	802	795	946	910	222	304	302	378	372
Agriculture and natural resources	22	51	28	22	22	7	6	4	8	11
Architecture and environmental design	5	3	1	4	3	0	1	0	2	0
Area and ethnic studies	5	4	1	0	2	1	3	0	3	5
Business and management	19	31	46	52	51	6	4	4	6	7
Communications	2	1	0	1	4	0	0	1	1	1
Computer and information sciences	14	13	16	36	28	0	1	4	4	1
Education	48	31	59	57	38	57	53	45	68	57
Engineering and related technologies	182	244	240	297	287	9	19	18	26	29
Fine and applied arts	3	4	6	17	9	4	9	12	17	13
Foreign languages	5	3	2	3	2	0	3	2	4	6
Health professions	18	30	23	27	37	7	23	17	17	26
Home economics	1	1	1	2	2	5	4	5	4	4
Law	0	0	0	2	1	0	0	0	0	0
Letters	16	19	11	22	22	6	12	19	14	19
Library science	1	3	2	1	0	2	3	0	2	1
Life sciences	93	79	83	94	98	47	50	66	80	68
Mathematics	24	31	24	23	30	7	5	13	7	11
Military sciences	—	0	0	0	0	—	0	0	0	0
Physical sciences	90	134	129	148	123	16	45	37	35	34
Psychology	18	26	22	26	33	15	25	29	35	29
Public affairs and services	6	5	4	8	8	5	5	5	8	10
Social sciences	48	44	59	68	62	24	23	18	33	33
Theology	33	35	36	32	39	0	6	1	3	4
Interdisciplinary studies	2	10	2	4	9	4	4	2	1	3
American Indian/Alaskan Native										
Total	95	64	58	50	52	35	55	46	35	50
Agriculture and natural resources	2	3	2	0	0	0	0	0	0	0
Architecture and environmental design	0	0	0	1	0	0	0	0	0	0
Area and ethnic studies	1	0	1	0	0	0	0	0	1	2
Business and management	5	3	1	2	2	0	1	1	0	1
Communications	1	0	0	0	0	0	0	0	0	1
Computer and information sciences	1	1	1	0	1	0	0	0	0	0
Education	41	19	25	11	16	16	32	24	14	22
Engineering and related technologies	5	6	3	3	5	0	1	0	0	0
Fine and applied arts	1	1	0	1	1	1	1	2	1	1
Foreign languages	1	1	0	0	1	0	1	0	0	0
Health professions	3	5	1	1	1	3	2	2	1	8
Home economics	0	0	0	0	0	1	0	0	0	2
Law	0	0	0	0	0	0	0	0	0	0
Letters	5	0	3	3	3	2	4	3	0	1
Library science	0	0	1	0	0	0	0	0	0	0
Life sciences	5	2	4	6	4	3	2	1	4	0
Mathematics	2	0	1	0	0	0	0	0	1	0
Military sciences	—	0	0	0	0	—	0	0	0	0
Physical sciences	3	9	3	9	5	1	3	0	4	0
Psychology	7	4	6	3	8	3	1	10	5	9
Public affairs and services	1	3	2	0	0	1	0	0	1	0
Social sciences	9	4	2	8	2	3	6	2	2	3
Theology	1	3	2	2	3	0	0	0	0	0
Interdisciplinary studies	1	0	0	0	0	1	1	1	1	0

See footnotes at end of table.

Table 7.—Doctor's degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Nonresident alien										
Total	3,564	4,421	5,466	6,221	7,204	639	896	1,121	1,454	1,671
Agriculture and natural resources	311	288	290	382	424	32	36	41	60	76
Architecture and environmental design	22	22	33	32	40	2	4	6	9	8
Area and ethnic studies	14	5	13	14	7	5	5	9	5	5
Business and management	149	184	289	268	348	12	19	26	44	43
Communications	17	27	33	34	33	5	6	9	15	20
Computer and information sciences	49	66	121	188	260	3	4	5	21	16
Education	421	409	357	325	365	172	189	229	247	245
Engineering and related technologies	919	1,335	1,715	2087	2,357	37	63	67	105	134
Fine and applied arts	25	30	43	47	44	12	18	21	28	40
Foreign languages	40	24	47	41	59	26	37	32	43	53
Health professions	62	95	116	140	165	26	44	72	86	102
Home economics	9	21	12	7	17	15	16	25	29	33
Law	17	17	24	30	57	1	0	3	14	17
Letters	101	109	125	126	134	41	63	78	87	87
Library science	5	8	3	10	5	2	5	7	5	3
Life sciences	214	268	367	384	508	75	108	160	180	244
Mathematics	156	224	273	348	386	17	25	45	65	78
Military sciences	—	0	0	0	0	—	0	0	0	0
Physical sciences	469	589	856	942	1,077	61	93	119	195	231
Psychology	72	58	52	60	61	22	35	44	55	63
Public affairs and services	23	34	36	56	74	5	11	13	11	11
Social sciences	361	489	530	593	610	57	108	90	133	145
Theology	82	80	89	80	120	8	1	12	9	8
Interdisciplinary studies	26	39	42	27	53	3	4	8	8	9

— Data not available

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures. Data represent programs, not organizational units within institutions.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Table 8.—First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
All fields, total	52,194	47,501	46,522	45,046	43,819	19,146	23,556	25,095	25,810	26,917
Dentistry (D.D.S. or D.M.D.)	4,672	3,744	3,602	3,124	2,830	788	988	1,137	1,141	1,263
Medicine (M.D.)	11,672	10,363	10,431	10,310	9,977	3,833	4,609	4,998	5,150	5,136
Optometry (O.D.)	890	812	697	683	646	207	302	385	410	426
Osteopatic Medicine (D.O.)	957	1,136	1,206	1,172	1,119	188	353	412	463	442
Pharmacy (D. Phar.)	381	330	351	422	482	283	318	510	652	709
Podiatry (Pod.D., D.P. or D.P.M.)	528	464	468	487	493	69	118	123	149	182
Veterinary medicine (D.V.M.)	1,245	1,134	1,150	981	901	677	1,043	1,080	1,176	1,259
Chiropractic (D.C. or D.C.M.)	1,948	2,072	1,864	2,159	1,906	389	589	629	731	675
Law, general (LL.B. or J.D.)	24,563	22,120	21,561	21,069	21,059	11,768	13,928	14,495	14,565	15,378
Theological professions, general	5,338	5,294	5,192	4,639	4,406	944	1,291	1,326	1,373	1,445
Other	0	32	0	0	0	0	17	0	0	0
White, non-Hispanic										
Total	47,629	42,630	41,149	39,399	37,909	16,922	20,589	21,539	21,815	22,382
Dentistry (D.D.S. or D.M.D.)	4,257	3,267	3,006	2,492	2,221	639	761	850	791	811
Medicine (M.D.)	10,460	9,051	9,003	8,701	8,208	3,263	3,864	4,134	4,079	3,919
Optometry (O.D.)	843	722	625	606	567	174	257	318	330	347
Osteopatic Medicine (D.O.)	918	1,073	1,132	1,059	1,027	173	327	366	411	399
Pharmacy (D. Phar.)	276	243	236	288	343	195	213	295	445	481
Podiatry (Pod.D., D.P. or D.P.M.)	495	425	423	427	419	57	92	98	114	133
Veterinary medicine (D.V.M.)	1,204	1,078	1,035	924	849	642	994	1,017	1,105	1,178
Chiropractic (D.C. or D.C.M.)	1,787	1,932	1,723	1,958	1,707	357	551	575	656	591
Law, general (LL.B. or J.D.)	22,564	20,268	19,528	19,011	18,909	10,545	12,369	12,714	12,688	13,278
Theological professions, general	4,825	4,540	4,438	3,933	3,659	877	1,144	1,172	1,196	1,245
Other	0	31	0	0	0	0	17	0	0	0
Black, non-Hispanic										
Total	1,772	1,623	1,835	1,618	1,650	1,159	1,406	1,585	1,530	1,739
Dentistry (D.D.S. or D.M.D.)	126	101	169	102	87	69	76	93	81	86
Medicine (M.D.)	445	399	437	385	424	324	331	349	408	463
Optometry (O.D.)	3	7	8	16	10	6	7	10	14	14
Osteopatic Medicine (D.O.)	11	18	7	26	10	5	11	19	14	4
Pharmacy (D. Phar.)	8	16	37	19	13	12	14	75	32	25
Podiatry (Pod.D., D.P. or D.P.M.)	13	17	18	21	29	7	18	15	19	25
Veterinary medicine (D.V.M.)	16	14	12	11	20	21	22	17	21	23
Chiropractic (D.C. or D.C.M.)	11	13	16	15	17	2	9	10	9	11
Law, general (LL.B. or J.D.)	905	733	822	780	762	671	828	913	840	956
Theological professions, general	234	305	309	243	278	42	90	84	92	132
Other	0	0	0	0	0	0	0	0	0	0
Hispanic										
Total	1,131	1,239	1,303	1,374	1,454	410	645	748	895	973
Dentistry (D.D.S. or D.M.D.)	69	90	120	131	146	17	33	49	68	96
Medicine (M.D.)	305	327	319	372	358	90	152	165	197	196
Optometry (O.D.)	13	20	20	12	17	3	8	9	15	10
Osteopatic Medicine (D.O.)	11	13	17	37	28	2	5	8	19	14
Pharmacy (D. Phar.)	11	5	16	14	14	8	7	26	17	24
Podiatry (Pod.D., D.P. or D.P.M.)	10	5	8	12	15	2	5	3	3	7
Veterinary medicine (D.V.M.)	7	20	73	25	18	4	14	17	19	28
Chiropractic (D.C. or D.C.M.)	21	34	28	55	50	3	8	11	18	23
Law, general (LL.B. or J.D.)	621	621	610	645	717	278	398	444	515	558
Theological professions, general	63	104	92	71	91	3	15	16	24	17
Other	0	0	0	0	0	0	0	0	0	0

See footnotes at end of table.

Table 8.—First-professional degrees conferred by institutions of higher education, by sex, race/ethnicity and field of study: 50 states and District of Columbia, 1980–81 through 1989–90—Continued

Field of study and race/ethnicity	Men					Women				
	1980–81	1984–85	1986–87	1988–89	1989–90	1980–81	1984–85	1986–87	1988–89	1989–90
Asian or Pacific Islander										
Total	991	1,152	1,420	1,819	1,966	465	664	850	1,157	1,370
Dentistry (D.D.S. or D.M.D.)	159	200	218	292	256	45	89	101	137	192
Medicine (M.D.)	329	391	534	742	867	117	192	271	402	484
Optometry (O.D.)	21	51	33	37	39	19	26	41	42	46
Osteopatic Medicine (D.O.)	8	23	31	38	44	6	8	14	15	19
Pharmacy (D. Phar.)	63	35	27	81	85	52	61	83	131	144
Podiatry (Pod.D., D.P. or D.P.M.)	6	12	8	11	27	2	3	4	7	13
Veterinary medicine (D.V.M.)	11	12	11	7	8	6	8	13	22	19
Chiropractic (D.C. or D.C.M.)	21	25	25	37	47	1	6	5	15	18
Law, general (LL.B. or J.D.)	322	323	393	429	439	208	265	301	366	419
Theological professions, general	51	80	140	145	154	9	6	17	20	16
Other	0	0	0	0	0	0	0	0	0	0
American Indian/Alaskan Native										
Total	134	176	183	148	138	58	72	121	116	119
Dentistry (D.D.S. or D.M.D.)	9	22	11	7	3	1	9	2	6	6
Medicine (M.D.)	39	64	36	31	30	12	25	30	30	22
Optometry (O.D.)	1	1	3	3	2	1	1	1	1	0
Osteopatic Medicine (D.O.)	7	6	10	8	7	1	2	3	1	5
Pharmacy (D. Phar.)	2	1	6	1	5	1	0	0	1	0
Podiatry (Pod.D., D.P. or D.P.M.)	0	2	2	2	0	1	0	0	0	1
Veterinary medicine (D.V.M.)	2	5	16	8	4	2	1	15	6	8
Chiropractic (D.C. or D.C.M.)	1	4	3	4	6	2	2	1	0	1
Law, general (LL.B. or J.D.)	68	69	84	80	70	33	30	68	62	72
Theological professions, general	5	2	12	4	11	4	2	1	9	4
Other	0	0	0	0	0	0	0	0	0	0
Nonresident alien										
Total	537	681	632	688	702	132	180	252	297	334
Dentistry (D.D.S. or D.M.D.)	52	64	78	100	117	17	20	42	58	72
Medicine (M.D.)	94	131	102	79	90	27	45	49	34	54
Optometry (O.D.)	9	11	8	9	11	4	3	6	8	9
Osteopatic Medicine (D.O.)	2	3	9	4	3	1	0	2	3	1
Pharmacy (D. Phar.)	21	30	29	19	22	15	23	31	26	35
Podiatry (Pod.D., D.P. or D.P.M.)	4	3	9	14	3	0	0	3	6	3
Veterinary medicine (D.V.M.)	5	5	3	6	2	2	4	1	3	3
Chiropractic (D.C. or D.C.M.)	107	64	69	90	79	24	13	27	33	31
Law, general (LL.B. or J.D.)	83	106	124	124	162	33	38	55	94	95
Theological professions, general	160	263	201	243	213	9	34	36	32	31
Other	0	1	0	0	0	0	0	0	0	0

NOTE: Data for 1980–81 and 1984–85 do not include imputations for race/ethnicity. Data for 1988–89 have been revised from previously published figures.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Higher Education General Information Survey, "Degrees and Other Formal Awards Conferred in Institutions of Higher Education", various years; and Integrated Postsecondary Education Data Systems, "Completions" and "Consolidated" surveys, various years.

Appendix Table

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
	Total all fields **	1,866,418	454,679	1,049,657	323,844	38,238
01.0000	Agribusiness and Agricultural Production	8,341	2,891	4,521	718	211
01.0101	Agricultural Business and Management, General	794	400	340	49	5
01.0102	Agricultural Business	1,299	140	1,136	23	0
01.0103	Agricultural Economics	2,366	104	1,635	479	148
01.0104	Farm and Ranch Management	207	115	86	6	0
01.0199	Agricultural Business and Management, Other	63	16	42	5	0
01.0201	Agricultural Mechanics, General	260	76	180	4	0
01.0203	Agricultural Mechanics, Construction, and Maintenance Skills	5	1	4	0	0
01.0204	Agricultural Power Machinery	67	58	9	0	0
01.0205	Agricultural Structures, Equipment and Facilities	10	2	8	0	0
01.0206	Soil and Water Mechanical Practices	8	4	3	0	1
01.0299	Agricultural Mechanics, Other	24	6	18	0	0
01.0301	Agricultural Production, General	358	314	29	15	0
01.0302	Animal Production	149	112	34	3	0
01.0303	Aquaculture	55	0	10	30	15
01.0304	Crop Production	32	25	0	5	2
01.0305	Game Farm Management	18	0	18	0	0
01.0399	Agricultural Production, Other	18	17	0	1	0
01.0401	Agricultural Products and Processing, General	7	4	0	2	1
01.0402	Food Products	11	9	2	0	0
01.0499	Agricultural Products and Processing, Other	10	0	10	0	0
01.0501	Agricultural Services and Supplies, General	128	128	0	0	0
01.0502	Agricultural Services	51	49	2	0	0
01.0503	Agricultural Supplies Marketing	22	22	0	0	0
01.0504	Pet Grooming	17	17	0	0	0
01.0505	Animal Training	27	7	20	0	0
01.0506	Horseshoeing	5	5	0	0	0
01.0507	Horse Handling and Care	172	129	43	0	0
01.0599	Agricultural Services and Supplies, Other	7	7	0	0	0
01.0601	Horticulture, General	538	388	109	22	19
01.0603	Ornamental Horticulture	547	289	243	11	4
01.0604	Greenhouse Operation and Management	21	21	0	0	0
01.0605	Landscaping	205	171	34	0	0
01.0606	Nursery Operation and Management	46	45	1	0	0
01.0607	Turf Management	84	77	7	0	0
01.0699	Horticulture, Other	41	37	1	0	3
01.0701	International Agriculture	26	0	14	12	0
01.9999	Agribusiness and Agricultural Production, Other	643	96	483	51	13
02.0000	Agricultural Sciences	9,185	925	5,774	1,661	825
02.0101	Agricultural Sciences, General	1,296	242	882	169	3
02.0201	Animal Sciences, General	2,955	155	2,273	365	162
02.0202	Animal Breeding and Genetics	39	11	9	18	1
02.0203	Animal Health	178	145	20	11	2
02.0204	Animal Nutrition	13	0	0	3	10
02.0206	Dairy	205	16	143	31	15
02.0208	Livestock	104	102	2	0	0
02.0209	Poultry	181	26	122	22	11
02.0299	Animal Sciences, Other	331	84	201	34	12
02.0301	Food Sciences	951	0	528	301	122
02.0401	Plant Sciences, General	323	17	215	64	27
02.0402	Agronomy	1,029	17	487	296	229
02.0403	Horticulture Science	821	58	527	144	92
02.0408	Plant Protection (Pest Management)	40	2	23	15	0
02.0409	Range Management	168	1	98	47	22
02.0499	Plant Sciences, Other	108	37	49	13	9
02.0501	Soil Sciences	270	5	97	88	80
02.9999	Agricultural Sciences, Other	173	7	98	40	28
03.0000	Renewable Natural Resources	5,021	1,016	2,775	994	236
03.0101	Renewable Natural Resources, General	1,157	145	707	263	42
03.0201	Conservation and Regulation, General	196	85	108	3	0
03.0202	Conservation	153	30	97	25	1
03.0299	Conservation and Regulation, Other	7	4	3	0	0
03.0301	Fishing and Fisheries	252	36	104	94	18

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
03.0401	Forestry Production and Processing, General ...	319	162	115	19	23
03.0403	Forest Products Utilization	43	41	2	0	0
03.0404	Forest Products Processing Technology	83	37	46	0	0
03.0405	Logging	2	2	0	0	0
03.0499	Forestry Production and Processing, Other	102	45	48	9	0
03.0501	Forestry and Related Sciences, General	910	84	427	311	88
03.0502	Forestry Science	144	18	67	51	8
03.0504	Forest Engineering	43	1	35	6	1
03.0506	Forest Management	187	28	138	16	5
03.0509	Wood Science	76	10	51	12	3
03.0599	Forestry and Related Sciences, Other	110	11	77	15	7
03.0601	Wildlife Management	960	242	590	109	19
03.9999	Renewable Natural Resources, Other	277	35	160	61	21
04.0000	Architecture and Environmental Design	14,861	2,011	9,261	3,492	97
04.0101	Architecture and Environmental Design, General	647	13	528	102	4
04.0201	Architecture	6,427	75	4,571	1,759	22
04.0301	City, Community, and Regional Planning	1,431	1	378	992	60
04.0401	Environmental Design	800	35	686	74	5
04.0501	Interior Design	3,658	1,868	1,749	38	3
04.0601	Landscape Architecture	1,240	3	918	318	1
04.0701	Urban Design	96	0	0	96	0
04.9999	Architecture and Environmental Design, Other ..	562	16	431	113	2
05.0000	Area and Ethnic Studies	5,793	68	4,399	1,198	128
05.0101	African Studies	58	0	43	14	1
05.0102	American Studies	1,694	6	1,413	210	65
05.0103	Asian Studies, General	507	0	416	90	1
05.0104	East Asian Studies	573	0	420	143	10
05.0105	Eastern European Studies	116	0	98	18	0
05.0106	European Studies, General	228	0	224	3	1
05.0107	Latin American Studies	483	0	285	194	4
05.0108	Middle Eastern Studies	141	0	61	69	11
05.0109	Pacific Area Studies	6	0	2	4	0
05.0110	Russian and Slavic Studies	377	0	268	108	1
05.0111	Scandanavian Studies	19	0	14	4	1
05.0112	South Asian Studies	28	0	14	10	4
05.0113	Southeast Asian Studies	11	0	10	1	0
05.0114	Western European Studies	87	0	35	52	0
05.0115	Canadian Studies	26	0	26	0	0
05.0199	Area Studies, Other	514	0	426	87	1
05.0201	Afro-American (Black) Studies	283	10	235	37	1
05.0202	American Indian Studies	36	6	19	10	1
05.0203	Hispanic-American Studies	92	0	81	11	0
05.0204	Islamic Studies	6	0	0	3	3
05.0205	Jewish Studies	234	46	166	19	3
05.0299	Ethnic Studies, Other	59	0	38	11	10
05.9999	Area and Ethnic Studies, Other	215	0	105	100	10
06.0000	Business and Management	370,335	51,206	240,941	77,048	1,140
06.0101	Business and Management, General	67,928	11,889	41,973	13,882	184
06.0201	Accounting	52,035	4,720	43,990	3,265	60
06.0301	Banking and Finance	31,759	376	26,030	5,305	48
06.0401	Business Administration and Management, General	128,615	24,330	66,579	37,162	544
06.0402	Contract Management and Procurement/Purchasing	1,366	146	748	472	0
06.0403	Product Management	495	13	384	93	5
06.0499	Business Administration and Management, Other	5,120	1,376	1,885	1,846	13
06.0501	Business Economics	3,845	2	3,639	172	32
06.0601	Human Resources Development	3,294	22	2,224	1,037	11
06.0701	Hotel/Motel Management	5,612	1,943	3,518	150	1
06.0702	Recreational Enterprises Management	322	51	233	38	0
06.0703	Resort Management	64	51	13	0	0
06.0704	Restaurant Management	544	416	126	2	0
06.0705	Transportation Management	921	97	761	62	1
06.0799	Institutional Management, Other	2,044	704	1,149	191	0
06.0801	Insurance and Risk Management	590	7	533	47	3
06.0901	International Business Management	3,465	37	1,563	1,851	14
06.1001	Investments and Securities	655	30	373	252	0
06.1101	Labor/Industrial Relations	1,859	136	1,013	693	17

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
06.1201	Management Information Systems	4,539	384	3,047	1,099	9
06.1302	Operations Research (Quantitative Methods)	1,494	0	930	515	49
06.1303	Management Science, General	943	206	502	235	0
06.1399	Management Science, Other	1,674	99	1,132	432	11
06.1401	Marketing Management	32,301	1,236	28,861	2,158	46
06.1402	Marketing Research	197	0	178	18	1
06.1499	Marketing Management and Research, Other	1,438	27	1,221	186	4
06.1501	Organizational Behavior	758	3	559	166	30
06.1601	Personnel Management	1,872	28	1,605	230	9
06.1701	Real Estate	1,734	620	824	290	0
06.1801	Small Business Management and Ownership	598	460	130	8	0
06.1901	Taxation	961	1	0	960	0
06.2001	Trade and Industrial Supervision/Management	1,538	662	811	65	0
06.9999	Business and Management, Other	9,755	1,134	4,407	4,166	48
07.0000	Business (Administrative Support)	43,694	41,073	2,587	34	0
07.0101	Accounting, Bookkeeping, and Related Programs, General	7,616	7,456	142	18	0
07.0102	Accounting and Computing	2,610	2,418	192	0	0
07.0103	Bookkeeping	154	154	0	0	0
07.0199	Accounting, Bookkeeping, and Related Programs, Other	46	35	11	0	0
07.0201	Banking and Related Financial Programs, General	543	524	19	0	0
07.0203	Insurance Clerk	10	10	0	0	0
07.0299	Banking and Related Financial Programs, Other	58	55	3	0	0
07.0301	Business Data Processing and Related Programs, General	4,260	3,946	306	8	0
07.0302	Business Computer and Console Operation	274	274	0	0	0
07.0303	Business Data Entry Equipment Operation	224	224	0	0	0
07.0304	Business Data Peripheral Equipment Operation	17	17	0	0	0
07.0305	Business Data Programming	3,256	3,227	29	0	0
07.0306	Business Systems Analysis	306	245	61	0	0
07.0399	Business Data Processing and Related Programs, Other	537	537	0	0	0
07.0401	Office Supervision and Management	2,845	1,717	1,121	7	0
07.0501	Personnel and Training Programs, General	35	35	0	0	0
07.0502	Training Assisting	45	45	0	0	0
07.0503	Personnel Assisting	11	11	0	0	0
07.0601	Secretarial and Related Programs, General	5,929	5,495	434	0	0
07.0602	Court Reporting	456	430	26	0	0
07.0603	Executive Secretarial	2,808	2,769	39	0	0
07.0604	Legal Secretarial	1,504	1,490	14	0	0
07.0605	Medical Secretarial	983	983	0	0	0
07.0606	Secretarial	2,605	2,532	73	0	0
07.0607	Stenographic	40	40	0	0	0
07.0699	Secretarial and Related Programs, Other	541	526	15	0	0
07.0701	Typing, General Office, and Related Programs, General	578	534	43	1	0
07.0702	Clerk-Typist	83	83	0	0	0
07.0705	General Office Clerk	74	74	0	0	0
07.0707	Receptionist and Communication Systems Operation	7	7	0	0	0
07.0709	Traffic, Rate, and Transportation Clerk	1	1	0	0	0
07.0799	Typing, General Office, and Related Programs, Other	41	41	0	0	0
07.0801	Word Processing	1,880	1,862	18	0	0
07.9999	Business (Administrative Support), Other	3,317	3,276	41	0	0
08.0000	Marketing and Distribution	19,535	13,939	5,473	121	2
08.0101	Apparel and Accessories Marketing, General	421	166	255	0	0
08.0102	Fashion Merchandising	5,359	3,966	1,391	0	2
08.0105	Jewelry Marketing	3	3	0	0	0
08.0199	Apparel and Accessories Marketing, Other	6	3	3	0	0
08.0201	Business and Personal Services Marketing, General	629	98	531	0	0
08.0202	Display	265	265	0	0	0
08.0203	Marketing of Business or Personal Services	250	14	235	1	0
08.0301	Entrepreneurship	238	140	60	38	0
08.0401	Financial Services Marketing	56	54	2	0	0

See footnotes at end of table.

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Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
08.0501	Floristry, Farm and Garden Supplies Marketing, General	7	7	0	0	0
08.0503	Floristry	11	11	0	0	0
08.0601	Food Marketing, General	42	40	2	0	0
08.0604	Supermarket Marketing	22	22	0	0	0
08.0699	Food Marketing, Other	7	7	0	0	0
08.0702	Industrial Sales	285	34	251	0	0
08.0703	International Marketing	107	11	64	32	0
08.0704	Purchasing	179	50	127	2	0
08.0705	Retailing	1,370	1,114	256	0	0
08.0706	Sales	561	383	178	0	0
08.0708	Marketing, General	1,201	532	650	19	0
08.0799	General Marketing, Other	2,102	1,273	829	0	0
08.0801	Home and Office Products Marketing, General	33	33	0	0	0
08.0803	Building Materials Marketing	6	6	0	0	0
08.0805	Furniture Marketing	21	21	0	0	0
08.0808	Specialty Home Furnishings Marketing	17	0	17	0	0
08.0901	Hospitality and Recreation Marketing, Other	185	162	23	0	0
08.0903	Marketing of Recreational Services	79	6	73	0	0
08.0999	Hospitality and Recreation Marketing, Other	59	7	52	0	0
08.1001	Insurance Marketing	25	25	0	0	0
08.1101	Transportation and Travel Marketing, General	346	301	45	0	0
08.1102	Transportation Marketing	43	38	5	0	0
08.1104	Tourism	1,278	1,065	184	29	0
08.1105	Travel Services Marketing	752	750	2	0	0
08.1106	Warehouse Services Marketing	12	12	0	0	0
08.1199	Transportation and Travel Marketing, Other	42	32	10	0	0
08.1201	Vehicles and Petroleum Marketing, General	8	2	6	0	0
08.1203	Automotive Vehicles and Accessories Marketing	65	61	4	0	0
08.9999	Marketing and Distribution, Other	3,443	3,225	218	0	0
09.0000	Communications	56,054	1,658	50,063	4,070	263
09.0101	Communications, General	26,263	593	24,003	1,490	177
09.0201	Advertising	3,252	246	2,778	227	1
09.0301	Communications Research	152	2	112	26	12
09.0401	Journalism (Mass Communications)	13,243	333	11,565	1,305	40
09 0501	Public Relations	1,916	9	1,804	103	0
09.0601	Radio/Television News Broadcasting	1,206	146	1,033	27	0
09.0701	Radio/Television, General	6,073	193	5,601	267	12
09.0801	Telecommunications	891	83	662	146	0
09.9999	Communications, Other	3,058	53	2,505	479	21
10.0000	Communications Technologies	3,539	2,014	1,220	299	6
10.0101	Educational Media Technology	91	81	0	9	1
10.0102	Motion Picture Technology	41	4	37	0	0
10.0103	Photographic Technology	272	233	39	0	0
10.0104	Radio and Television Production and Broadcasting Technology	1,933	612	1,052	264	5
10.0105	Sound Recording Technology	68	52	16	0	0
10.0106	Video Technology	20	10	10	0	0
10.0199	Communications Technologies, Other	1,114	1,022	66	26	0
11.0000	Computer and Information Sciences	45,304	7,604	27,434	9,643	623
11.0101	Computer and Information Sciences, General	32,149	2,449	21,238	7,866	596
11.0201	Computer Programming	2,440	1,832	484	124	0
11.0301	Data Processing	2,107	1,503	531	73	0
11.0401	Information Sciences and Systems	6,062	1,148	3,730	1,167	17
11.0501	Systems Analysis	358	26	263	67	2
11.0601	Microcomputer Applications	335	331	4	0	0
11.9999	Computer and Information Sciences, Other	1,853	315	1,184	346	8
12.0000	Consumer, Personal and Miscellaneous Services	842	762	80	0	0
12.0101	Drycleaning and Laundering Services	2	2	0	0	0
12.0301	Funeral Services	605	526	79	0	0
12.0401	Personal Services, General	55	55	0	0	0
12.0402	Barbering/Hairstyling	4	4	0	0	0

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
12.0403	Cosmetology	171	171	0	0	0
12.9999	Consumer, Personal and Misc. Services, Other	5	4	1	0	0
13.0000	Education	205,712	8,018	104,715	86,057	6,922
13.0101	Education, General	16,202	3,688	2,218	9,108	1,188
13.0201	Bilingual/Crosscultural Education	348	3	124	187	34
13.0299	Bilingual/Crosscultural Education, Other	15	0	7	8	0
13.0301	Curriculum and Instruction	6,453	0	529	5,199	725
13.0401	Education Administration, General	7,842	0	9	6,433	1,400
13.0402	Administration of Special Education	35	0	13	9	13
13.0403	Adult and Continuing Education Administration	218	0	0	166	52
13.0404	Educational Supervision	864	0	0	826	38
13.0405	Elementary and Secondary Education Administration	1,721	26	0	1,638	57
13.0406	Higher Education Administration	612	0	5	262	345
13.0407	Community College Education Administration	106	0	0	102	4
13.0499	Education Administration, Other	655	0	0	548	107
13.0501	Educational Media	854	0	17	808	29
13.0601	Evaluation and Research, General	122	0	3	70	49
13.0603	Educational Statistics and Research	58	0	2	26	30
13.0604	Educational Testing, Evaluation, and Measurement	96	0	0	74	22
13.0606	Higher Education Research	26	0	0	7	19
13.0699	Evaluation and Research, Other	8	0	0	0	8
13.0701	International and Comparative Education	33	1	0	29	3
13.0801	School Psychology	2,100	1	158	1,449	492
13.0901	Social Foundations	337	0	0	198	139
13.1001	Special Education, General	11,298	102	4,249	6,777	170
13.1002	Education of the Culturally Disadvantage	8	0	0	8	0
13.1003	Education of the Deaf and Hearing Impaired	405	31	219	154	1
13.1004	Education of the Gifted and Talented	179	0	4	168	7
13.1005	Education of the Emotionally Handicapped	428	0	221	205	2
13.1006	Education of the Mentally Handicapped	825	5	612	203	5
13.1007	Education of the Multiple Handicapped	139	0	58	81	0
13.1008	Education of the Physically Handicapped	65	3	30	29	3
13.1009	Education of the Visually Handicapped	42	0	17	25	0
13.1010	Remedial Education	42	0	1	39	2
13.1011	Specific Learning Disabilities	1,123	0	374	736	13
13.1012	Speech Correction	803	0	547	256	0
13.1099	Special Education, Other	675	20	293	352	10
13.1101	Student Counseling and Personnel Services	10,937	0	48	10,473	416
13.1201	Adult and Continuing Education	982	38	83	703	158
13.1202	Elementary Education	61,846	1,110	48,623	12,025	88
13.1203	Junior High/Middle School Education	1,420	0	869	551	0
13.1204	Pre-Elementary Education	7,222	736	4,853	1,616	17
13.1205	Secondary Education	8,098	285	4,074	3,659	80
13.1299	Teacher Education, General Programs, Other	2,034	200	470	1,305	59
13.1301	Agricultural Education	831	9	522	265	35
13.1302	Art Education	1,761	39	1,151	533	38
13.1303	Business Education	2,536	42	1,929	550	15
13.1304	Driver and Safety Education	115	0	54	61	0
13.1305	English Education	2,422	15	1,930	454	23
13.1306	Foreign Languages Education	569	1	392	157	19
13.1307	Health Education	2,611	33	1,661	808	109
13.1308	Home Economics Education	689	16	467	199	7
13.1309	Industrial Arts Education	2,589	32	1,920	602	35
13.1310	Marketing and Distributive Education	289	0	270	18	1
13.1311	Mathematics Education	2,560	18	1,725	777	40
13.1312	Music Education	3,875	31	2,875	897	72
13.1313	Nutritional Education	21	4	0	17	0
13.1314	Physical Education	17,095	494	12,919	3,482	200
13.1315	Reading Education	3,833	0	222	3,536	75
13.1316	Science Education	2,350	5	1,514	783	48
13.1317	Social Science Education	960	13	782	163	2
13.1318	Social Studies Education	1,948	12	1,719	212	5
13.1319	Technical Education	562	34	274	231	23
13.1320	Trade and Industrial Education	1,931	3	1,348	524	56
13.1321	Computer Education	608	14	15	579	0
13.1399	Teacher Education, Specific Subject Areas, Other	2,461	8	1,397	1,016	40

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
13.1401	Teaching English as a Second Language/Foreign Language	873	0	36	835	2
13.1501	Teacher Assisting	228	225	3	0	0
13.9999	Education, Other	4,719	721	860	2,846	292
14.0000	Engineering	95,363	2,380	64,077	23,953	4,953
14.0101	Engineering, General	5,484	1,560	2,566	1,116	242
14.0201	Aerospace, Aeronautical, and Astronautic	4,266	11	3,048	1,029	178
14.0301	Agricultural Engineering	732	1	467	186	78
14.0401	Architectural Engineering	613	49	530	34	0
14.0501	Bioengineering and Biomedical Engineering	1,177	0	701	364	112
14.0601	Ceramic Engineering	506	25	349	90	42
14.0701	Chemical Engineering	5,052	8	3,450	1,030	564
14.0801	Civil Engineering	10,650	40	7,273	2,824	513
14.0901	Computer Engineering	2,788	16	1,903	783	86
14.1001	Electrical, Electronics, and Communications	29,658	379	20,892	7,218	1,169
14.1101	Engineering Mechanics	421	0	146	184	91
14.1201	Engineering Physics	434	0	328	73	33
14.1301	Engineering Science	671	70	223	305	73
14.1401	Environmental Health Engineering	499	0	111	351	37
14.1501	Geological Engineering	111	0	65	40	6
14.1601	Geophysical Engineering	32	0	18	11	3
14.1701	Industrial Engineering	5,961	21	3,915	1,834	191
14.1801	Materials Engineering	1,199	0	446	492	261
14.1901	Mechanical Engineering	18,723	91	14,435	3,443	754
14.2001	Metallurgical Engineering	685	2	369	210	104
14.2101	Mining and Mineral Engineering	175	0	88	57	30
14.2201	Naval Architecture and Marine Engineering	367	0	316	45	6
14.2301	Nuclear Engineering	612	0	258	243	111
14.2401	Ocean Engineering	193	0	82	94	17
14.2501	Petroleum Engineering	526	0	307	165	54
14.2601	Surveying and Mapping Sciences	103	8	71	22	2
14.2602	Cartography	30	0	26	4	0
14.2701	Systems Engineering	666	0	327	314	25
14.2801	Textile Engineering	62	0	39	22	1
14.9999	Engineering, Other	2,967	99	1,328	1,370	170
15.0000	Engineering and Engineering-Related Technology	61,096	42,377	17,812	895	12
15.0101	Architectural Design and Construction Technology	2,189	1,497	692	0	0
15.0102	Architectural Interior Design Technology	53	53	0	0	0
15.0199	Architectural Technologies, Other	240	110	119	11	0
15.0201	Civil Technology	1,343	975	368	0	0
15.0202	Drafting and Design Technology	2,650	2,394	256	0	0
15.0203	Surveying and Mapping Technology	219	186	33	0	0
15.0299	Civil Technologies, Other	356	241	114	1	0
15.0301	Computer Technology	1,790	1,492	291	7	0
15.0302	Electrical Technology	2,124	1,256	868	0	0
15.0303	Electronic Technology	18,589	15,495	3,094	0	0
15.0304	Laser Electro-Optic Technology	285	251	27	7	0
15.0399	Electrical and Electronic Technologies, Other	3,366	3,034	300	32	0
15.0401	Biomedical Equipment Technology	445	442	3	0	0
15.0402	Computer Servicing Technology	516	515	1	0	0
15.0403	Electromechanical Technology	950	866	82	2	0
15.0404	Instrumentation Technology	323	309	4	9	1
15.0405	Robotics Technology	654	338	316	0	0
15.0499	Electromechanical Instrumentation and Maintenance Technologies, Other	769	759	10	0	0
15.0501	Air Conditioning, Heating, and Refrigeration Technology	511	506	5	0	0
15.0503	Energy Conservation and Use Technology	53	7	46	0	0
15.0504	Sanitation Technology	31	16	14	1	0
15.0505	Solar Heating and Cooling Technology	23	23	0	0	0
15.0506	Water and Wastewater Technology	160	139	14	7	0
15.0599	Environmental Control Technologies, Other	384	229	87	67	1
15.0602	Food Processing Technology	7	4	3	0	0
15.0603	Industrial Technology	4,701	728	3,805	164	4
15.0606	Optical Technology	1	1	0	0	0
15.0607	Plastic Technology	200	114	86	0	0

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
15.0609	Textile Technology	53	13	40	0	0
15.0610	Welding Technology	152	143	9	0	0
15.0699	Industrial Production Technologies, Other	1,280	565	683	32	0
15.0701	Occupational Safety and Health Technology	551	65	336	150	0
15.0702	Quality Control Technology	278	278	0	0	0
15.0799	Quality Control and Safety Technologies, Other	35	8	6	21	0
15.0801	Aeronautical Technology	2,434	1,343	1,091	0	0
15.0803	Automotive Technology	1,494	1,385	109	0	0
15.0804	Marine Propulsion Technology	15	15	0	0	0
15.0805	Mechanical Design Technology	2,574	1,895	679	0	0
15.0899	Mechanical and Related Technologies, Other	1,652	975	677	0	0
15.0901	Coal Mining Technology	42	35	7	0	0
15.0902	Mining (Excluding Coal) Technology	2	2	0	0	0
15.0903	Petroleum Technology	106	90	16	0	0
15.0999	Mining and Petroleum Technologies, Other	22	12	2	2	6
15.1001	Construction Technology	668	358	310	0	0
15.9999	Engineering and Engineering-Related Technologies, Other	6,806	3,215	3,209	382	0
16.0000	Foreign Languages	14,162	329	11,326	1,995	512
16.0101	Foreign Languages, Multiple Emphasis	1,184	73	788	264	59
16.0201	African (Non-Semitic) Languages	7	0	2	2	3
16.0301	Chinese	182	0	140	34	8
16.0302	Japanese	215	5	186	23	1
16.0399	Asiatic Languages, Other	97	0	65	22	10
16.0402	Russian	599	2	540	52	5
16.0403	Slavic Languages (Other than Russian)	119	0	60	48	11
16.0499	Balto-Slavic Languages, Other	14	0	6	5	3
16.0501	German	1,754	11	1,424	259	60
16.0502	Scandinavian Languages	42	0	33	7	2
16.0599	Germanic Languages, Other	32	0	12	12	8
16.0601	Greek (Classical)	44	0	38	6	0
16.0703	Indic Languages	8	0	2	1	5
16.0901	French	3,869	29	3,249	471	120
16.0902	Italian	301	0	238	45	18
16.0903	Latin	109	0	88	21	0
16.0904	Portuguese	35	0	27	7	1
16.0905	Spanish	4,882	74	4,138	560	110
16.0999	Italic Languages, Other	126	0	34	62	30
16.1001	Native American Languages	16	11	4	1	0
16.1101	Arabic	6	1	4	0	1
16.1102	Hebrew	83	0	48	29	6
16.1199	Semitic Languages, Other	34	0	12	12	10
16.9999	Foreign Languages, Other	404	123	188	52	41
17.0000	Allied Health	39,398	23,077	12,570	3,646	105
17.0101	Dental Assisting	305	305	0	0	0
17.0102	Dental Hygiene	3,860	3,140	703	17	0
17.0103	Dental Laboratory Technology	262	256	1	5	0
17.0199	Dental Services, Other	11	2	0	9	0
17.0201	Cardiovascular Technology	191	87	102	2	0
17.0202	Dialysis Technology	2	2	0	0	0
17.0203	Electrocardiograph Technology	13	13	0	0	0
17.0204	Electroencephalograph Technology	28	28	0	0	0
17.0205	Emergency Medical Technology - Ambulance	51	22	25	4	0
17.0206	Emergency Medical Technology - Paramedic	312	306	6	0	0
17.0207	Medical Radiation Dosimetry	43	27	16	0	0
17.0208	Nuclear Medical Technology	291	178	113	0	0
17.0209	Radiologic (Medical) Technology	3,758	3,373	374	11	0
17.0210	Respiratory Therapy Technology	1,192	1,174	18	0	0
17.0211	Surgical Technology	205	205	0	0	0
17.0212	Diagnostic Medical Sonography	171	154	17	0	0
17.0299	Diagnostic and Treatment Services, Other	187	107	71	9	0
17.0301	Blood Bank Technology	10	2	4	4	0
17.0302	Chemistry Technology	10	1	9	0	0
17.0303	Clinical Animal Technology	12	6	6	0	0
17.0305	Clinical Laboratory Assisting	14	14	0	0	0
17.0306	Cytotechnology	75	4	71	0	0
17.0308	Histologic Technology	34	34	0	0	0
17.0309	Medical Laboratory Technology	1,762	1,641	121	0	0

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
17.0310	Medical Technology	1,561	22	1,517	22	0
17.0311	Microbiology Technology	13	1	9	3	0
17.0399	Medical Laboratory Technologies, Other	87	50	35	2	0
17.0401	Alcohol/Drug Abuse Specialty	514	404	75	35	0
17.0402	Community Health Work	528	59	153	306	10
17.0404	Home Health Aide	1	1	0	0	0
17.0405	Mental Health/Human Services Assisting	420	406	14	0	0
17.0406	Mental Health/Human Services Technology	1,057	904	105	48	0
17.0407	Rehabilitation Counseling	777	7	174	582	14
17.0408	Therapeutic Child Care Work	40	34	0	6	0
17.0410	Sign Language Interpreting	191	175	16	0	0
17.0499	Mental Health/Human Services, Other	1,235	438	436	312	49
17.0503	Medical Assisting	1,423	1,403	0	20	0
17.0504	Medical Illustrating	68	0	17	51	0
17.0505	Medical Office Management	127	127	0	0	0
17.0506	Medical Records Technology	1,083	1,065	18	0	0
17.0507	Pharmacy Assisting	47	47	0	0	0
17.0508	Physician Assisting	799	130	638	31	0
17.0512	Veterinarian Assisting	750	736	14	0	0
17.0513	Health Unit Coordinating	4	4	0	0	0
17.0514	Chiropractic Assisting	31	31	0	0	0
17.0599	Misc. Allied Health Services, Other	267	135	96	28	8
17.0601	Geriatric Aide	44	44	0	0	0
17.0605	Practical Nursing	669	533	130	6	0
17.0606	Health Unit Management	15	15	0	0	0
17.0699	Nursing-Related Services, Other	422	358	11	53	0
17.0701	Ophthalmic Dispensing	182	182	0	0	0
17.0705	Optometric Technology	175	175	0	0	0
17.0799	Ophthalmic Services, Other	92	92	0	0	0
17.0801	Art Therapy	163	0	39	124	0
17.0803	Dance Therapy	46	0	2	44	0
17.0804	Exercise Physiology	341	24	198	119	0
17.0806	Music Therapy	199	0	179	20	0
17.0807	Occupational Therapy	2,467	101	1,987	379	0
17.0808	Occupational Therapy Assisting	800	800	0	0	0
17.0811	Orthotics/Prosthetics	41	18	23	0	0
17.0812	Orthopedic Assisting	10	3	7	0	0
17.0813	Physical Therapy	4,629	206	3,502	919	2
17.0814	Physical Therapy Aide	27	27	0	0	0
17.0815	Physical Therapy Assisting	1,552	1,552	0	0	0
17.0816	Recreational Therapy	228	51	159	18	0
17.0817	Recreational Therapy Assisting	45	41	4	0	0
17.0818	Respiratory Therapy	1,128	927	201	0	0
17.0819	Respiratory Therapy Assisting	18	18	0	0	0
17.0820	Speech/Hearing Therapy Aide	147	9	90	47	1
17.0822	Recreational Therapy Aide	6	6	0	0	0
17.0899	Rehabilitation Services, Other	434	18	287	118	11
17.9999	Allied Health, Other	1,696	617	777	292	10
18.0000	Health Sciences	105,443	41,051	46,246	16,708	1,438
18.0101	Audiology	165	19	53	92	1
18.0102	Speech Pathology	640	0	282	358	0
18.0103	Speech-Language Pathology/Audiology	4,805	3	2,376	2,341	85
18.0199	Audiology and Speech Pathology, Other	228	0	112	110	6
18.0201	Clinical Anatomy	6	0	0	2	4
18.0202	Clinical Biochemistry	47	0	16	7	24
18.0203	Clinical Microbiology	222	0	181	21	20
18.0204	Clinical Pathology	32	0	0	32	0
18.0205	Clinical Physiology	28	0	0	6	22
18.0299	Basic Clinical Health Sciences, Other	199	6	115	47	31
18.0301	Chiropractic	7	7	0	0	0
18.0401	Dentistry, General	224	1	83	140	0
18.0402	Dental Public Health	8	0	4	4	0
18.0403	Endodontics	17	0	0	16	1
18.0404	Oral/Maxial Facial Surgery	5	0	0	4	1
18.0405	Oral Pathology	5	0	0	1	4
18.0406	Orthodontics	92	0	0	92	0
18.0407	Pedodontics	9	0	0	9	0
18.0408	Periodontics	27	0	0	27	0
18.0409	Prosthodontics	24	0	0	23	1
18.0499	Dentistry, Other	142	2	0	133	7

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
18.0701	Health Services Administration	4,958	69	2,396	2,475	18
18.0702	Health Care Planning	227	0	14	211	2
18.0703	Medical Records Administration	625	4	621	0	0
18.0799	Health Services Administration, Other	492	2	189	292	9
18.0901	Medical Laboratory	661	8	603	49	1
18.1001	Medicine, General	161	29	92	34	6
18.1003	Anesthesiology	16	0	5	11	0
18.1007	Family Practice	1	0	0	1	0
18.1008	Geriatrics	32	5	10	17	0
18.1009	Immunology	24	0	0	4	20
18.1012	Nuclear Medicine	1	0	1	0	0
18.1016	Orthopedic	2	0	0	2	0
18.1017	Otorhinolaryngology/Otolaryngology	6	0	0	4	2
18.1018	Pathology	28	0	0	9	19
18.1022	Preventive Medicine	31	0	0	27	4
18.1024	Neurology	2	0	1	0	1
18.1025	Radiology	180	171	5	2	2
18.1026	Surgery	9	0	0	7	2
18.1030	Sports Medicine	192	9	133	50	0
18.1099	Medicine, Other	83	2	0	32	49
18.1101	Nursing, General	73,243	39,571	28,422	4,968	282
18.1102	Anesthetist	188	0	51	137	0
18.1103	Maternal/Child Health	240	0	0	237	3
18.1104	Medical Surgical	218	30	0	188	0
18.1105	Nursing Administration	327	39	85	202	1
18.1106	Psychiatric/Mental Health	141	22	0	119	0
18.1107	Public Health (Nursing)	535	0	15	481	39
18.1199	Nursing, Other	1,328	605	323	392	8
18.1201	Optometry	287	18	252	17	0
18.1301	Osteopathic Medicine	10	0	2	8	0
18.1401	Pharmacy	6,456	7	5,995	287	167
18.1501	Podiatry	61	0	5	56	0
18.1701	Pre-Dentistry	66	19	47	0	0
18.1801	Pre-Medicine	717	154	563	0	0
18.1901	Pre-Pharmacy	108	106	2	0	0
18.2001	Pre-Veterinary	60	29	29	2	0
18.2201	Public Health Laboratory Science	1,530	0	179	1,236	115
18.2202	Epidemiology	312	0	0	258	54
18.2203	Public Health Education	47	0	19	28	0
18.2204	Public Health Practice and Management	124	0	20	87	17
18.2299	Public Health, Other	465	0	132	323	10
18.2401	Veterinary Medicine	451	15	246	104	86
18.9999	Health Sciences, Other	3,866	99	2,567	886	314
19.0000	Home Economics	17,523	1,487	13,683	2,067	286
19.0101	Home Economics, General	3,783	105	3,214	411	53
19.0201	Business Home Economics	214	1	213	0	0
19.0301	Family and Community Services	267	9	205	46	7
19.0401	Family/Consumer Resource Management, General	679	21	629	18	11
19.0402	Consumer Science	263	1	247	11	4
19.0499	Family/Consumer Resource Management, Other	19	0	10	4	5
19.0501	Food Sciences and Human Nutrition, General	1,688	1	1,291	358	38
19.0502	Food/Food Sciences	58	1	50	3	4
19.0503	Dietitics/Human Nutritional Services	1,187	90	987	103	7
19.0599	Food Sciences and Human Nutrition, Other	137	2	118	11	6
19.0601	Human Environment and Housing, General	582	2	532	45	3
19.0603	Housing	34	0	34	0	0
19.0699	Human Environment and Housing, Other	80	0	80	0	0
19.0701	Individual and Family Development, General	2,766	45	2,277	355	89
19.0703	Family Counseling	412	0	37	354	21
19.0704	Family Relations	376	0	322	44	10
19.0705	Gerontological Services	204	23	99	82	0
19.0799	Individual and Family Development, Other	229	5	178	40	6
19.0901	Textiles and Clothing, General	2,015	5	1,902	90	18
19.0902	Fashion Design	1,642	1,089	550	2	1
19.0904	Textile Science	83	66	13	4	0
19.0999	Textiles and Clothing, Other	442	0	430	12	0
19.9999	Home Economics, Other	363	21	265	74	3

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
20.0000	Vocational Home Economics	10,150	8,743	1,304	86	17
20.0101	Comprehensive Consumer & Homemaking Education	79	54	25	0	0
20.0102	Child Development, Care, and Guidance	1,430	1,104	314	10	2
20.0103	Clothing and Textiles	64	4	60	0	0
20.0106	Family/Individual Health	1	0	1	0	0
20.0107	Family Living and Parenthood	189	1	154	22	12
20.0108	Food and Nutrition	57	28	25	4	0
20.0109	Home Management	1	0	1	0	0
20.0110	Housing, Home Furnishings, and Equipment	5	5	0	0	0
20.0201	Child Care and Guidance Management and Services, General	1,177	1,118	33	26	0
20.0202	Child Care Aide/Assisting	1,286	1,286	0	0	0
20.0203	Child Care Management	544	531	2	10	1
20.0204	Foster Care/Family Care	14	14	0	0	0
20.0299	Child Care and Guidance Management and Services, Other	106	103	3	0	0
20.0301	Clothing, Apparel, and Textiles Management, Production, and Services, General	163	93	70	0	0
20.0303	Commercial Garment and Apparel Construction	29	29	0	0	0
20.0304	Custom Apparel/Garment Seamstress	12	12	0	0	0
20.0305	Custom Tailoring and Alteration	4	4	0	0	0
20.0306	Fashion/Fabric Coordination	29	29	0	0	0
20.0308	Wedding/Specialty Consulting	2	2	0	0	0
20.0399	Clothing, Apparel, and Textiles Management, Production, and Services, Other	7	2	5	0	0
20.0401	Food Production, Management, and Services, General	1,301	1,113	183	5	0
20.0402	Baking	129	129	0	0	0
20.0403	Chef/Cook	1,229	1,229	0	0	0
20.0404	Dietetic Aide/Assisting	241	241	0	0	0
20.0406	Food Service	614	331	283	0	0
20.0408	School Food Service	2	0	2	0	0
20.0499	Food Production, Management, and Services, Other	1,041	1,041	0	0	0
20.0501	Home Furnishings and Equipment Management, Production, and Services, General	63	43	18	2	0
20.0504	Floral Design	5	5	0	0	0
20.0505	Home Decorating	115	84	31	0	0
20.0506	Home Furnishings Aide	13	13	0	0	0
20.0599	Home Furnishings and Equipment Management, Production, and Services, Other	10	0	10	0	0
20.0601	Institutional, Home Management, and Supporting Services, General	87	6	72	7	2
20.0602	Companion to the Aged	2	2	0	0	0
20.0605	Executive Housekeeping	2	2	0	0	0
20.9999	Vocational Home Economics, Other	97	85	12	0	0
22.0000	Law	8,111	4,547	1,582	1,869	113
22.0101	Law	1,068	13	2	945	108
22.0102	Pre-Law	429	128	301	0	0
22.0103	Legal Assisting	4,947	4,339	604	4	0
22.0199	Law, Other	1,667	67	675	920	5
23.0000	Letters	57,131	567	48,075	7,223	1,266
23.0101	English, General	39,770	346	34,135	4,524	765
23.0201	Classics	621	0	454	124	43
23.0301	Comparative Literature	1,052	1	709	251	91
23.0401	Composition	217	1	200	10	6
23.0501	Creative Writing	1,246	4	625	616	1
23.0601	Linguistics (Includes Phonetics, Semantics, and Philology)	1,277	0	524	601	152
23.0701	Literature, American	59	0	55	2	2
23.0801	Literature, English	1,974	0	1,641	267	66
23.1001	Speech, Debate, and Forensics	9,185	94	8,425	564	102
23.1101	Technical and Business Writing	241	9	144	88	0
23.1201	English as a Second Language	63	40	3	20	0
23.9999	Letters, Other	1,426	72	1,160	156	38

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
24.0000	Liberal/General Studies	155,302	128,721	24,956	1,594	31
24.0101	Liberal Arts and Sciences	119,119	104,586	13,131	1,379	23
24.0102	General Studies	16,685	13,082	3,566	35	2
24.0199	Liberal/General Studies, Other	19,498	11,053	8,259	180	6
25.0000	Library and Archival Sciences	4,586	112	84	4,349	41
25.0101	Library and Archival Sciences, General	1,098	9	7	1,078	4
25.0201	Archival Science	4	0	0	4	0
25.0301	Library Assisting	84	84	0	0	0
25.0401	Library Science	3,311	14	73	3,187	37
25.0501	Museology	62	5	3	54	0
25.9999	Library and Archival Sciences, Other	27	0	1	26	0
26.0000	Life Sciences	46,909	1,034	37,170	4,861	3,844
26.0101	Biology, General	30,372	773	27,083	1,969	547
26.0201	Biochemistry and Biophysics	2,898	1	2,022	293	582
26.0301	Botany, General	464	2	181	138	143
26.0302	Bacteriology	45	0	17	12	16
26.0304	Plant Genetics	60	0	13	17	30
26.0305	Plant Pathology	190	0	13	93	84
26.0307	Plant Physiology	31	0	0	9	22
26.0399	Botany, Other	11	0	5	4	2
26.0401	Cell Biology	136	0	51	24	61
26.0402	Molecular Biology	559	0	368	57	134
26.0499	Cell and Molecular Biology, Other	402	0	327	18	57
26.0501	Microbiology	2,593	2	1,832	355	404
26.0601	Anatomy	263	0	103	59	101
26.0602	Biometrics and Biostatistics	169	0	16	114	39
26.0603	Ecology	765	21	476	192	76
26.0604	Embryology	1	0	0	0	1
26.0605	Endocrinology	16	0	0	1	15
26.0606	Histology	2	2	0	0	0
26.0607	Marine Biology	401	1	297	79	24
26.0608	Neurosciences	217	0	100	35	82
26.0609	Nutritional Sciences	595	5	184	315	91
26.0610	Parasitology	29	0	0	17	12
26.0611	Radiobiology	29	0	0	21	8
26.0612	Toxicology	159	0	50	53	56
26.0699	Misc. Specialized Areas, Life Sciences, Other	534	44	341	84	65
26.0701	Zoology, General	2,455	3	2,054	235	163
26.0702	Entomology	346	0	62	135	149
26.0703	Genetics, Human and Animal	400	0	151	102	147
26.0704	Pathology, Human and Animal	134	0	8	30	96
26.0705	Pharmacology, Human and Animal	253	0	20	58	175
26.0706	Physiology, Human and Animal	809	1	397	183	228
26.0799	Zoology, Other	4	0	0	0	4
26.9999	Life Sciences, Other	1,567	179	999	159	230
27.0000	Mathematics	19,949	760	14,597	3,677	915
27.0101	Mathematics, General	16,207	677	12,465	2,457	608
27.0201	Actuarial Sciences	275	0	229	46	0
27.0301	Applied Mathematics	1,378	5	895	388	90
27.0401	Pure Mathematics	163	0	124	23	16
27.0501	Statistics	1,317	0	457	671	189
27.9999	Mathematics, Other	609	78	427	92	12
28.0000	Military Sciences	275	19	256	0	0
28.0101	Aerospace Science (Air Force)	11	0	11	0	0
28.0301	Military Science (Army)	4	0	4	0	0
28.0401	Naval Science (Navy, Marines)	3	0	3	0	0
28.0501	Maritime Science (Merchant Marine)	221	0	221	0	0
28.9999	Military Sciences, Other	36	19	17	0	0
29.0000	Military Technologies	271	110	161	0	0
29.0101	Military Technologies	268	107	161	0	0
29.9999	Military Technologies, Other	3	3	0	0	0

See footnotes at end of table.

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Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
30.0000	Multi/Interdisciplinary Studies	34,807	11,803	19,188	3,505	311
30.0101	Biological and Physical Sciences	7,304	4,834	2,178	249	43
30.0201	Clinical Pastoral Care	306	0	1	300	5
30.0301	Engineering and Other Disciplines	624	127	232	213	52
30.0401	Humanities and Social Sciences	7,643	4,400	2,801	408	34
30.0501	Peace Studies	44	0	33	11	0
30.0601	Systems Science	1,057	4	41	1,002	10
30.0701	Womens Studies	206	0	189	16	1
30.0801	Mathematics and Computer Science	124	3	121	0	0
30.9999	Multi/Interdisciplinary Studies, Other	17,499	2,435	13,592	1,306	166
31.0000	Parks and Recreation	5,330	461	4,404	430	35
31.0101	Parks and Recreation, General	1,918	20	1,721	159	18
31.0201	Outdoor Recreation	256	103	124	29	0
31.0301	Parks and Recreation Management	2,276	176	1,913	171	16
31.0401	Water Resources	125	32	65	27	1
31.9999	Parks and Recreation, Other	755	130	581	44	0
38.0000	Philosophy and Religion	8,699	93	6,848	1,326	432
38.0101	Philosophy	5,103	30	4,261	567	245
38.0201	Religion	3,106	57	2,284	584	181
38.9999	Philosophy and Religion, Other	490	6	303	175	6
39.0000	Theology	11,799	653	5,162	4,686	1,298
39.0101	Biblical Languages	25	0	17	8	0
39.0201	Bible Studies	2,275	318	1,581	349	27
39.0301	Missionary Studies	591	33	318	184	56
39.0401	Religious Education	2,043	77	938	956	72
39.0501	Religious Music	347	22	170	146	9
39.0601	Theological Studies	4,878	132	1,376	2,490	880
39.9999	Theology, Other	1,640	71	762	553	254
40.0000	Physical Sciences	26,814	1,247	16,018	5,390	4,159
40.0101	Physical Sciences, General	1,390	898	439	52	1
40.0201	Astronomy	259	0	103	89	67
40.0301	Astrophysics	72	0	37	13	22
40.0401	Atmospheric Sciences and Meteorology	623	0	360	198	65
40.0501	Chemistry, General	11,674	151	7,932	1,568	2,023
40.0502	Analytical Chemistry	29	0	1	13	15
40.0503	Inorganic Chemistry	18	0	0	10	8
40.0504	Organic Chemistry	40	0	14	10	16
40.0505	Pharmaceutical Chemistry	96	0	10	38	48
40.0506	Physical Chemistry	50	0	8	14	28
40.0599	Chemistry, Other	264	15	161	43	45
40.0601	Geology	2,987	33	1,693	972	289
40.0602	Geochemistry	34	0	12	9	13
40.0603	Geophysics and Seismology	176	0	38	90	48
40.0604	Paleontology	10	0	6	2	2
40.0699	Geological Sciences, Other	250	0	69	134	47
40.0701	Metallurgy	18	3	2	10	3
40.0702	Oceanography	324	0	160	82	82
40.0703	Earth Science	595	0	435	109	51
40.0799	Miscellaneous Physical Sciences, Other	108	14	41	51	2
40.0801	Physics, General	6,915	70	4,049	1,681	1,115
40.0802	Atomic/Molecular Physics	10	0	8	1	1
40.0806	Nuclear Physics	3	0	0	2	1
40.0807	Optics	90	1	14	53	22
40.0808	Solid State Physics	12	0	0	8	4
40.0899	Physics, Other	235	5	111	70	49
40.0901	Planetary Science	16	0	0	3	13
40.9999	Physical Sciences, Other	516	57	315	65	79
41.0000	Science Technologies	1,067	888	113	57	9
41.0101	Biological Laboratory Technology	32	15	17	0	0
41.0102	Oceanographic (Biological) Technology	34	34	0	0	0

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
41.0199	Biological Technologies, Other	58	37	17	2	2
41.0201	Nuclear Materials Handling Technology	23	23	0	0	0
41.0202	Nuclear Power Plant Operation Technology	23	22	1	0	0
41.0203	Nuclear Power Plant Radiation Control Tech.	25	25	0	0	0
41.0204	Radiologic (Physical) Technology	108	98	10	0	0
41.0299	Nuclear Technologies, Other	31	30	1	0	0
41.0301	Chemical Technology	269	259	10	0	0
41.0303	Metallurgical Technology	120	120	0	0	0
41.0304	Meteorological Technology	91	91	0	0	0
41.0305	Oceanographic (Physical) Technology	10	1	6	3	0
41.0399	Physical Science Technologies, Other	5	0	5	0	0
41.9999	Science Technologies, Other	238	133	46	52	7
42.0000	Psychology	67,280	1,110	53,586	9,231	3,353
42.0101	Psychology, General	57,068	972	50,343	4,100	1,653
42.0201	Clinical Psychology	1,976	0	86	806	1,084
42.0301	Cognitive Psychology	27	0	2	19	6
42.0401	Community Psychology	203	4	30	169	0
42.0601	Counseling Psychology	3,049	19	147	2,651	232
42.0701	Developmental Psychology	429	0	321	73	35
42.0801	Experimental Psychology	309	0	208	29	72
42.0901	Industrial and Organizational Psychology	688	1	163	467	57
42.1001	Personality Psychology	9	0	9	0	0
42.1101	Physiological Psychology	96	0	72	9	15
42.1201	Psycholinguistics	7	0	1	0	6
42.1301	Psychometrics	5	1	0	2	2
42.1501	Quantitative Psychology	18	0	0	11	7
42.1601	Social Psychology	639	8	555	47	29
42.9999	Psychology, Other	2,757	105	1,649	848	155
43.0000	Protective Services	29,423	12,848	15,387	1,151	37
43.0101	Correctional Administration	385	62	230	93	0
43.0102	Corrections	850	418	379	53	0
43.0103	Criminal Justice Administration	5,793	1,458	4,007	328	0
43.0104	Criminal Justice Studies	9,092	782	7,730	543	37
43.0105	Criminal Justice Technology	2,950	2,912	38	0	0
43.0106	Forensic Studies	462	51	378	33	0
43.0107	Law Enforcement	5,652	4,226	1,394	32	0
43.0108	Law Enforcement Administration	496	324	149	23	0
43.0109	Security Services	90	40	48	2	0
43.0199	Criminal Justice, Other	1,270	388	844	38	0
43.0201	Fire Control and Safety Technology	1,149	1,073	75	1	0
43.0202	Fire Protection Administration	190	116	74	0	0
43.0203	Firefighting	306	306	0	0	0
43.0299	Fire Protection, Other	128	116	7	5	0
43.9999	Protective Services, Other	610	576	34	0	0
44.0000	Public Affairs	34,634	2,609	14,075	17,455	495
44.0101	Public Affairs, General	1,501	169	808	507	17
44.0201	Community Services	1,915	862	948	95	10
44.0301	International Public Service	340	0	208	132	0
44.0401	Public Administration	7,202	103	1,859	5,123	117
44.0501	Public Policy Studies	747	17	258	416	56
44.0602	Public Transportation	2	0	0	2	0
44.0603	Public Utilities	2	2	0	0	0
44.0701	Social Work, General	19,743	718	9,063	9,702	260
44.0702	Medical Social Work	114	0	46	68	0
44.0799	Social Work, Other	1,602	255	513	819	15
44.9999	Public Affairs, Other	1,466	483	372	591	20
45.0000	Social Sciences	134,237	2,870	116,925	11,419	3,023
45.0101	Social Sciences, General	8,077	1,881	5,651	505	40
45.0201	Anthropology	4,743	36	3,597	791	319
45.0301	Archeology	137	1	87	36	13
45.0302	Archeological Technology	1	1	0	0	0
45.0401	Criminology	1,399	34	1,294	68	3
45.0501	Demography	42	1	1	30	10
45.0601	Economics	26,838	152	23,899	1,965	822

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
45.0701	Geography	3,924	35	3,197	548	144
45.0801	History	25,334	190	22,232	2,342	570
45.0901	International Relations	6,219	5	4,592	1,535	87
45.1001	Political Science and Government	35,413	147	33,235	1,554	477
45.1101	Sociology	17,795	251	15,929	1,179	436
45.1201	Urban Studies	1,015	13	624	340	38
45.9999	Social Sciences, Other	3,300	123	2,587	526	64
46.0000	Construction Trades	1,793	1,774	19	0	0
46.0101	Brickmasonry, Stonemasonry, and Tile Setting, General	18	18	0	0	0
46.0201	Carpentry	352	352	0	0	0
46.0301	Electrical and Power Transmission Installation, General	136	134	2	0	0
46.0302	Electrician	316	316	0	0	0
46.0303	Lineworker	63	63	0	0	0
46.0399	Electrical and Power Transmission Installation, Other	40	40	0	0	0
46.0401	Building and Property Maintenance	41	40	1	0	0
46.0403	Construction Inspection	45	45	0	0	0
46.0407	Insulation Installation	2	2	0	0	0
46.0408	Painting and Decorating	9	9	0	0	0
46.0499	Miscellaneous Construction Trades and Property Maintenance, Other	199	190	9	0	0
46.0501	Plumbing, Pipefitting, & Steamfitting, General	42	42	0	0	0
46.0502	Pipefitting and Steamfitting	3	3	0	0	0
46.0503	Plumbing	29	29	0	0	0
46.0599	Plumbing, Pipefitting,and Steamfitting, Other	2	2	0	0	0
46.9999	Construction Trades, Other	496	489	7	0	0
47.0000	Mechanics and Repairers	7,802	7,600	202	0	0
47.0101	Electrical and Electronics Equipment Repair, General	603	603	0	0	0
47.0102	Business Machine Repair	23	23	0	0	0
47.0103	Communication Electronics	285	281	4	0	0
47.0104	Computer Electronics	441	440	1	0	0
47.0105	Industrial Electronics	443	443	0	0	0
47.0106	Major Appliance Repair	16	16	0	0	0
47.0199	Electrical and Electronics Equipment Repair, Other	238	63	175	0	0
47.0201	Heating, Air Conditioning, and Refrigeration Mechanics, General	615	614	1	0	0
47.0202	Cooling and Refrigeration	62	62	0	0	0
47.0203	Heating and Air Conditioning	152	152	0	0	0
47.0299	Heating, Air Conditioning, and Refrigeration Mechanics, Other	12	12	0	0	0
47.0301	Industrial Equipment Maintenance and Repair, General	73	73	0	0	0
47.0302	Heavy Equipment Maintenance and Repair	25	25	0	0	0
47.0303	Industrial Machinery Maintenance and Repair	101	101	0	0	0
47.0304	Mine Equipment Maintenance and Repair	14	14	0	0	0
47.0399	Industrial Equipment Maintenance and Repair, Other	16	16	0	0	0
47.0401	Electromechanical, Hydraulic, and Pneumatic Instrument Repair	34	34	0	0	0
47.0402	Gunsmithing	36	36	0	0	0
47.0404	Musical Instrument Repair	4	4	0	0	0
47.0408	Watch Repair	1	1	0	0	0
47.0499	Miscellaneous Mechanics and Repairers, Other	5	5	0	0	0
47.0501	Stationary Energy Sources, General	4	4	0	0	0
47.0502	Conventional Electrical Power Generation	19	19	0	0	0
47.0601	Vehicle and Mobile Equipment Mechanics and Repairers, General	136	136	0	0	0
47.0603	Automotive Body Repair	216	216	0	0	0
47.0604	Automotive Mechanics	2,216	2,216	0	0	0
47.0605	Diesel Engine Mechanics	488	488	0	0	0
47.0606	Small Engine Repair	14	14	0	0	0
47.0607	Aircraft Mechanics, Airframe	436	430	6	0	0
47.0608	Aircraft Mechanics, Powerplant	139	139	0	0	0

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
47.0699	Vehicle and Mobile Equipment Mechanics and Repairers, Other	414	399	15	0	0
47.9999	Mechanics and Repairers, Other	521	521	0	0	0
48.0000	Precision Production	9,868	9,336	528	4	0
48.0101	Drafting, General	898	896	2	0	0
48.0102	Architectural Drafting	881	881	0	0	0
48.0103	Civil/Structural Drafting	25	25	0	0	0
48.0104	Electrical/Electronics Drafting	175	175	0	0	0
48.0105	Mechanical Drafting	834	834	0	0	0
48.0199	Drafting, Other	311	311	0	0	0
48.0201	Graphic and Printing Communications, General	1,117	876	241	0	0
48.0203	Commercial Art	2,898	2,644	253	1	0
48.0204	Commercial Photography	410	407	3	0	0
48.0205	Typesetting, Make-up, and Composition	8	8	0	0	0
48.0206	Lithography, Photography, and Platemaking	133	133	0	0	0
48.0207	Photographic Laboratory and Darkroom	15	15	0	0	0
48.0208	Printing Press Operations	68	68	0	0	0
48.0299	Graphic and Printing Communications, Other	549	526	23	0	0
48.0302	Saddlemaking and Repair	2	2	0	0	0
48.0303	Upholstering	10	10	0	0	0
48.0402	Meatcutting	5	5	0	0	0
48.0501	Precision Metal Work, General	80	80	0	0	0
48.0503	Machine Tool Operation/Machine Shop	720	720	0	0	0
48.0504	Metal Fabrication	3	3	0	0	0
48.0505	Metal Patternmaking	6	6	0	0	0
48.0506	Sheet Metal	7	7	0	0	0
48.0507	Tool and Die Making	194	193	1	0	0
48.0508	Welding	277	277	0	0	0
48.0599	Precision Metal Work, Other	4	4	0	0	0
48.0602	Jewelry Design, Fabrication, and Repair	47	47	0	0	0
48.0604	Plastics	7	7	0	0	0
48.0699	Precision Work, Assorted Materials, Other	25	25	0	0	0
48.0701	Woodworking, General	14	14	0	0	0
48.0702	Furniture Making	10	7	0	3	0
48.0703	Millwork and Cabinet Making	22	22	0	0	0
48.0799	Woodworking, Other	1	1	0	0	0
48.9999	Precision Production, Other	112	107	5	0	0
49.0000	Transportation and Material Moving	5,323	2,619	2,166	538	0
49.0101	Air Transportation, General	958	185	773	0	0
49.0102	Airplane Piloting and Navigation (Commercial)	1,621	745	508	368	0
49.0104	Aviation Management	1,299	328	829	142	0
49.0105	Air Traffic Control	115	92	23	0	0
49.0106	Flight Attendants	41	41	0	0	0
49.0107	Airplane Piloting (Private)	9	9	0	0	0
49.0199	Air Transportation, Other	168	111	29	28	0
49.0201	Vehicle and Equipment Operation, General	18	18	0	0	0
49.0202	Construction Equipment Operation	2	2	0	0	0
49.0203	Material Handling	31	31	0	0	0
49.0205	Truck and Bus Driving	2	2	0	0	0
49.0299	Vehicle and Equipment Operation, Other	3	3	0	0	0
49.0303	Commercial Fishing Operations	1	1	0	0	0
49.0304	Deep Water Diving and Life Support Systems	40	40	0	0	0
49.0305	Marina Operations	19	19	0	0	0
49.0306	Marine Maintenance	3	3	0	0	0
49.0308	Sailors and Deckhands	1	1	0	0	0
49.9999	Transportation and Material Moving, Other	992	988	4	0	0
50.0000	Visual and Performing Arts	53,138	4,587	39,167	8,542	842
50.0101	Visual and Performing Arts, General	2,693	376	2,108	202	7
50.0201	Crafts, General	91	1	79	11	0
50.0202	Ceramics	220	6	164	50	0
50.0204	Fiber/Textiles/Weaving	127	2	116	9	0
50.0205	Glass	13	0	9	4	0
50.0206	Metal/Jewelry	86	3	65	18	0
50.0299	Crafts, Other	7	0	7	0	0
50.0301	Dance	872	39	638	187	8
50.0401	Design, General	2,027	14	1,813	200	0

See footnotes at end of table.

Appendix: Degrees conferred by institutions of higher education, by level of degree, and by discipline division and program specialty: 50 states and District of Columbia, 1989-90--Continued

CIP code	Discipline division and program specialty	Total *	Associate's	Bachelor's	Master's	Doctor's
50.0402	Graphic Design	2,696	888	1,780	28	0
50.0403	Illustration Design	628	69	551	8	0
50.0404	Industrial Design	565	58	497	10	0
50.0405	Theater Design	89	12	50	27	0
50.0499	Design, Other	382	18	324	40	0
50.0501	Dramatic Arts	6,145	162	4,719	1,176	88
50.0601	Film Arts, General	509	2	422	84	1
50.0602	Cinematography/Film	920	19	743	153	5
50.0603	Film Animation	28	0	28	0	0
50.0605	Photography	1,116	238	773	105	0
50.0606	Video	17	0	15	2	0
50.0699	Film Arts, Other	78	9	68	1	0
50.0701	Fine Arts, General	13,400	974	10,814	1,590	22
50.0702	Art Conservation	41	3	18	20	0
50.0703	Art History and Appreciation	2,941	69	2,315	453	104
50.0704	Arts Management	190	0	101	87	2
50.0705	Drawing	295	11	250	34	0
50.0706	Intermedia	119	0	98	21	0
50.0708	Painting	940	11	747	182	0
50.0709	Sculpture	231	0	168	63	0
50.0710	Printmaking	94	2	66	26	0
50.0799	Fine Arts, Other	2,586	81	2,078	407	20
50.0901	Music, General	5,137	437	3,390	1,054	256
50.0902	Music History and Appreciation	155	0	67	57	31
50.0903	Music Performance	4,443	87	2,508	1,661	187
50.0904	Music Theory and Composition	434	5	207	153	69
50.0999	Music, Other	1,271	151	745	335	40
50.9999	Visual and Performing Arts, Other	1,552	840	626	84	2
95.0000	Undesignated Field	10,519	5,682	2,727	1,852	258

NOTE.--Data represent programs, not organizational units within institutions.

* Total excludes first-professional degrees.

** Includes degrees reported in undesignated field which are not included in the other tables of this report.

SOURCE: U.S. Department of Education, National Center for Education Statistics, Integrated Postsecondary Education Data System (IPEDS), Completions Survey: 1989-90.

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